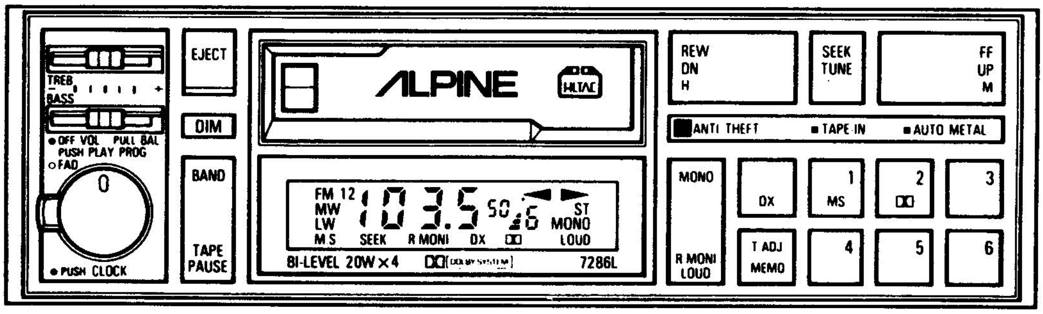
ALPINE SERVICE MANUAL

Digital Tuner Cassette Deck

- Serial Numbers after
  No. 80612401 − C for 7286E CODE02 model
  No. 80412601 − C for 7286L CODE02 model
  No. □□□□□□□□ − □ for 7287E CODE02 model
- Concerning the contents not to be given in this manual, refer to the service manual (68P92545F02).
- "For the cassette deck mechanism parts (GZ75E230) of this model, refer to the GZ Series Service Manual (Part No. 68P80518F02)."


TREB
BASS
OFF VOL PULL BAL
PUSH PLAY PROG
FAD
PUSH CLOCK
EJECT
DIM
BAND
TAPE PAUSE
ALPINE
FM 12
MW
LW
103.5
ST
MONO
MS SEEK R MONI DX LOUD
BI-LEVEL 20W×4
7286L
REW DN H
SEEK TUNE
FF UP M
ANTI THEFT
TAPE IN
AUTO METAL
MONO
R MONI LOUD
DX
1 MS
2
3
T ADJ MEMO
4
5
6

7286L CODE02

7286L/E/7287E CODE02

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Specifications

FM RADIO

Intermediate Frequency	10.7±0.1MHz
Frequency Range	87.5 to 108MHz
Usable Sensitivity (Stereo at 98.1MHz)	19.2dBf
Limiting Sensitivity (at 98.1MHz)	14.2±3dBf
S/N Ratio (Stereo, Input 60dB)	48dB
Image Rejection (at 106.1MHz)	40dB
IF Rejection (at 90.1MHz)	60dB
Distortion (Input 1mV at 98.1MHz)	1%
Frequency Response (7286E code02/7287E code02 model only)	80Hz : 0±3dB
	10kHz : −12±3dB
(7286L code02 model only)	100Hz : 0±3dB
	10kHz : −12±3dB
Stereo Separation (at 1,000Hz)	25dB

AM RADIO (7286E code02/7287E code02 model only)
MW RADIO (7286L code02 model only)

Intermediate Frequency (7286E code02/7287E code02 model only)	450kHz
(7286L code02 model only)	459kHz
Frequency Range	531 to 1,602kHz
Sensitivity (20dB S/N at 999kHz)	45.2dBf
S/N Ratio (at 999kHz)	44dB
Image Rejection (at 1,404Hz)	45dB
IF Rejection (at 603kHz)	60dB
Distortion (at 999kHz)	1%
Frequency Response	100Hz−3±4dB
	4kHz−15±6dB

LW RADIO (7286L code02 model only)

Intermediate Frequency	459kHz
Frequency Range	153~281kHz
Sensitivity (20dB S/N, 218kHz)	52.2dBf
S/N Ratio (at 218kHz)	40dB
Image Rejection (at 272kHz)	40dB
IF Rejection (at 218kHz)	50dB
Distortion (at 218kHz)	1.5%
Frequency Response	100Hz : −3±4dB
	4kHz : −17±6dB

TAPE PLAYER

Wow Flutter (JIS, WRMS/MTT-111)	0.15%
Tape Speed (MTT-111)	4.76cm/sec. +3 to −1%
S/N Ratio (MTT-212)	
Dolby OFF	52dB
Dolby-B	60dB
Distortion (MTT-118)	2%
Frequency Response (MTT-256, −3dB)	40Hz to 18kHz
Separation (MTT-141)	30dB
Crosstalk (MTT-121)	45dB
FF & RWD Time (C-60)	100 sec

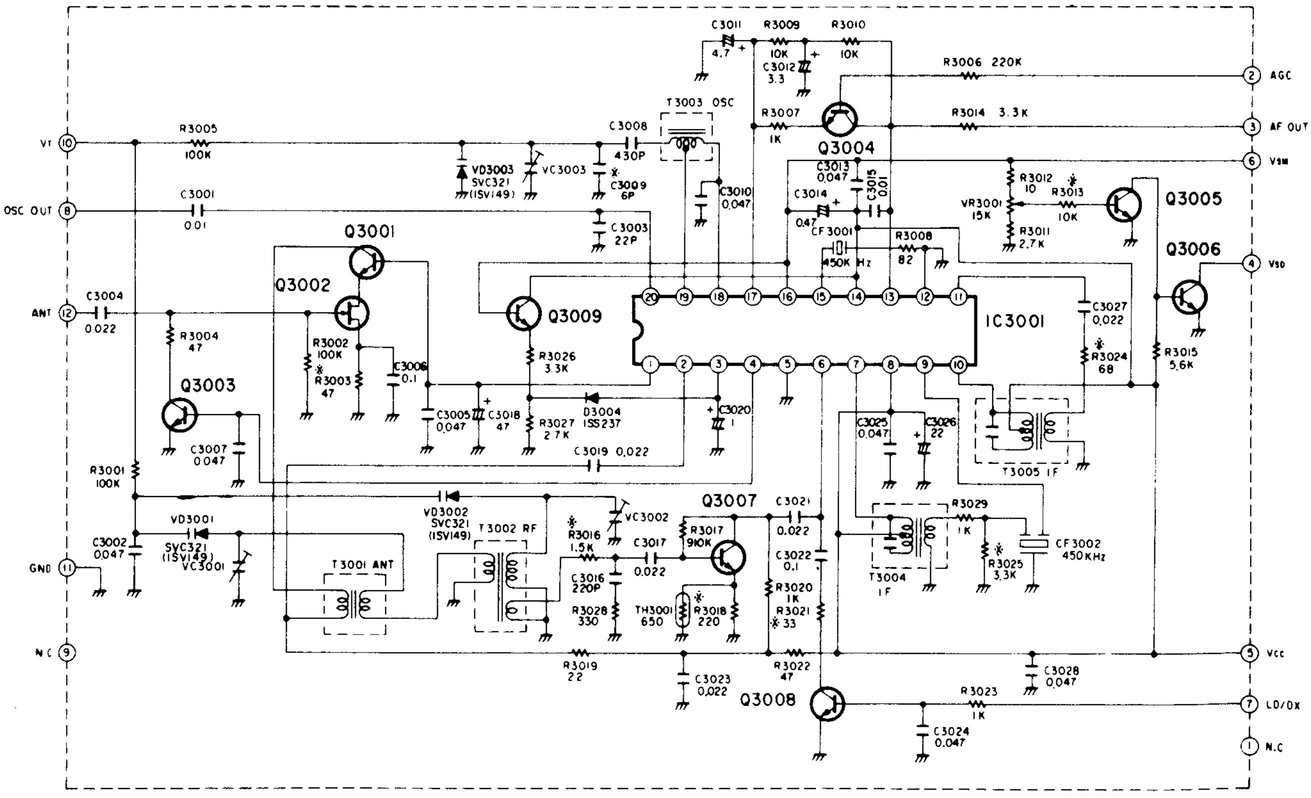
GENERAL

Power Supply	14.4V DC
Output Power/Impedance (10% THD)	9W/ch/4 ohm
Pre-Output Voltage/Impedance	1.2V/10k ohm
Semiconductors (7286E code02/7287E code02 model only)	16 IC's, 46 Transistors, 26 Diodes, 19 Zener Diodes
(7286L code02 model only)	17 IC's, 51 Transistors, 26 Diodes, 20 Zener Diodes
Chassis Dimensions (W×H×D)	178×50×160mm
Nose Dimensions (W×H×D)	171×50×8mm
Weight	1.8kg

NOTE : Due to continuing product improvement, specifications and design are subject to change without notice.

Tuner Schematic Diagram

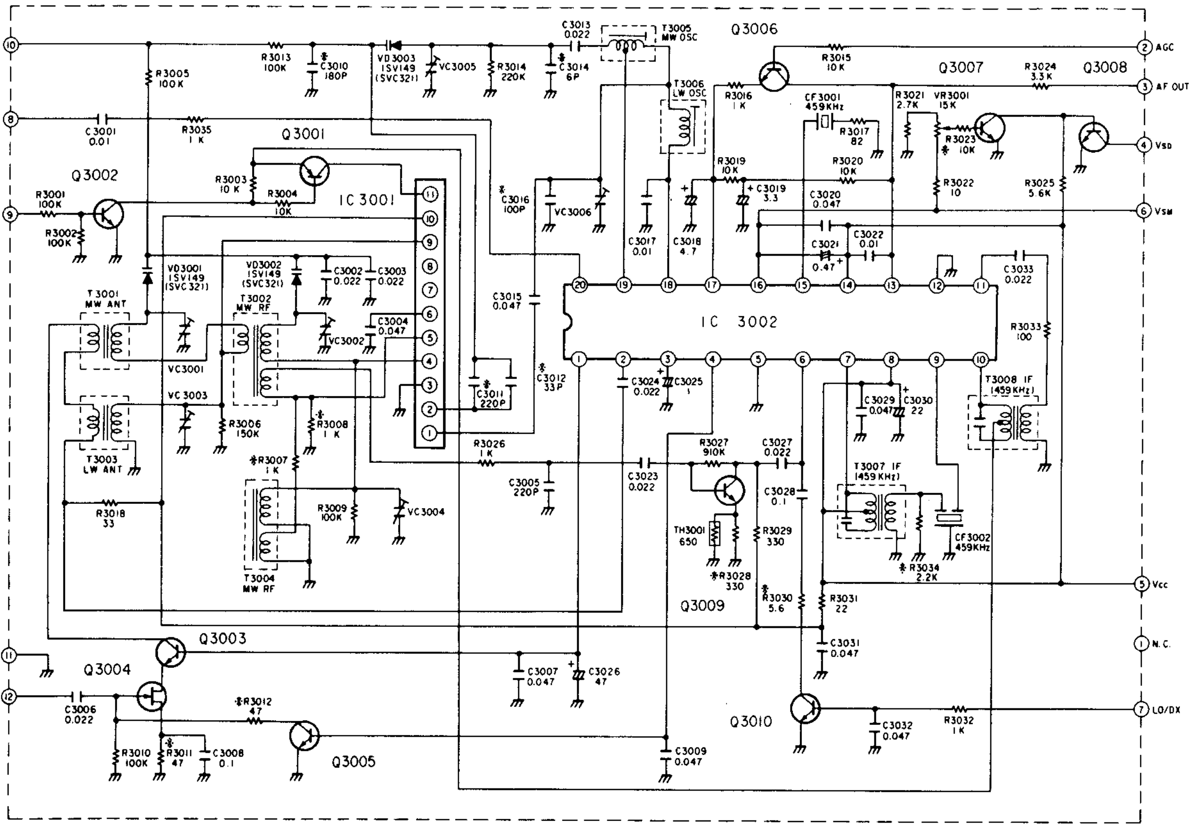
(7286E/7287E CODE02 model only)


VT ⑩
OSC OUT ⑧
ANT ⑫
GND ⑪
N.C ⑨
AGC ②
AF OUT ③
VSM ⑥
VSD ④
Vcc ⑤
LO/DX ⑦
N.C ①
Q3001
Q3002
Q3003
Q3004
Q3005
Q3006
Q3007
Q3008
Q3009
IC3001
T3001 ANT
T3002 RF
T3003 OSC
T3004 IF
T3005 IF
CF3001 450KHz
CF3002 450KHz
VD3001 SVC321 (1SV149)
VD3002 SVC321 (1SV149)
VD3003 SVC321 (1SV149)
VC3001
VC3002
VC3003
VR3001 15K
D3004 1SS237
TH3001 650
R3001 100K
R3003 47
R3002 100K
R3004 47
R3005 100K
R3006 220K
R3007 1K
R3008 82
R3009 10K
R3010 10K
R3011 2.7K
R3012 10
R3013 10K
R3014 3.3K
R3015 5.6K
R3016 1.5K
R3017 910K
R3018 220
R3019 22
R3020 1K
R3021 33
R3022 47
R3023 1K
R3024 68
R3025 3.3K
R3026 3.3K
R3027 2.7K
R3028 330
R3029 1K
C3001 0.01
C3002 0.047
C3003 22P
C3004 0.022
C3005 0.047
C3006 0.1
C3007 0.047
C3008 430P
C3009 6P
C3010 0.047
C3011 4.7
C3012 3.3
C3013 0.047
C3014 0.47
C3015 0.01
C3016 220P
C3017 0.022
C3018 47
C3019 0.022
C3020 1
C3021 0.022
C3022 0.1
C3023 0.022
C3024 0.047
C3025 0.047
C3026 22
C3027 0.022
C3028 0.047

Note : Parts marked ※ are for adjustment.

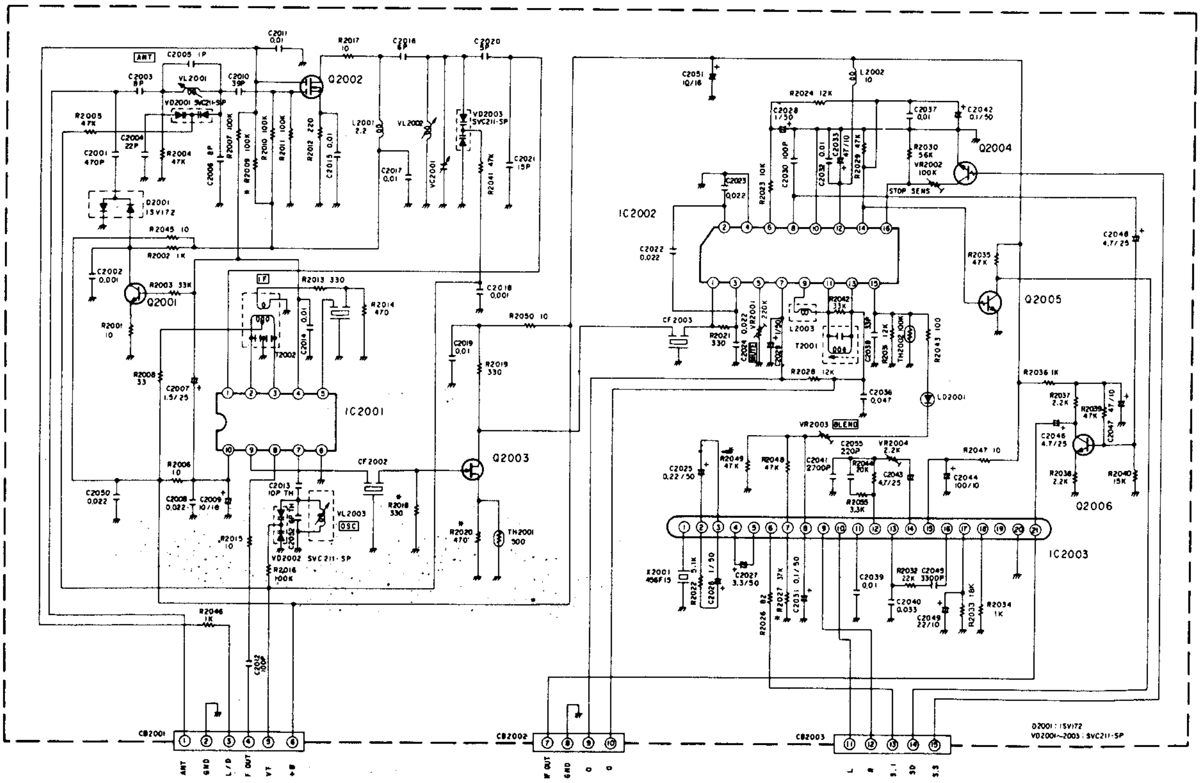
AM Tuner

(7286L CODE02 model only)


VT ⑩
OSC OUT ⑧
LW/MW ⑨
GND ⑪
ANT ⑫
② AGC
③ AF OUT
④ VSD
⑥ VSM
⑤ Vcc
① N.C.
⑦ LO/DX
Q3001
Q3002
Q3003
Q3004
Q3005
Q3006
Q3007
Q3008
Q3009
Q3010
IC 3001
IC 3002
T3001 MW ANT
T3002 MW RF
T3003 LW ANT
T3004 MW RF
T3005 MW OSC
T3006 LW OSC
T3007 IF 1459KHz
T3008 IF 1459KHz
CF3001 459KHz
CF3002 459KHz
VD3001 1SV149 (SVC321)
VD3002 1SV149 (SVC321)
VD3003 1SV149 (SVC321)
VC3001
VC3002
VC3003
VC3004
VC3005
VC3006
VR3001 15K
TH3001 650
R3001 100K
R3002 100K
R3003 10K
R3004 10K
R3005 100K
R3006 150K
R3007 1K
R3008 1K
R3009 100K
R3010 100K
R3011 47
R3012 47
R3013 100K
R3014 220K
R3015 10K
R3016 1K
R3017 82
R3018 33
R3019 10K
R3020 10K
R3021 2.7K
R3022 10
R3023 10K
R3024 3.3K
R3025 5.6K
R3026 1K
R3027 910K
R3028 330
R3029 330
R3030 5.6
R3031 22
R3032 1K
R3033 100
R3034 2.2K
R3035 1K
C3001 0.01
C3002 0.022
C3003 0.022
C3004 0.047
C3005 220P
C3006 0.022
C3007 0.047
C3008 0.1
C3009 0.047
C3010 180P
C3011 220P
C3012 33P
C3013 0.022
C3014 6P
C3015 0.047
C3016 100P
C3017 0.01
C3018 4.7
C3019 3.3
C3020 0.047
C3021 0.47
C3022 0.01
C3023 0.022
C3024 0.022
C3025 1
C3026 47
C3027 0.022
C3028 0.1
C3029 0.047
C3030 22
C3031 0.047
C3032 0.047
C3033 0.022

Note : Parts marked ※ are for adjustment.

AM Tuner

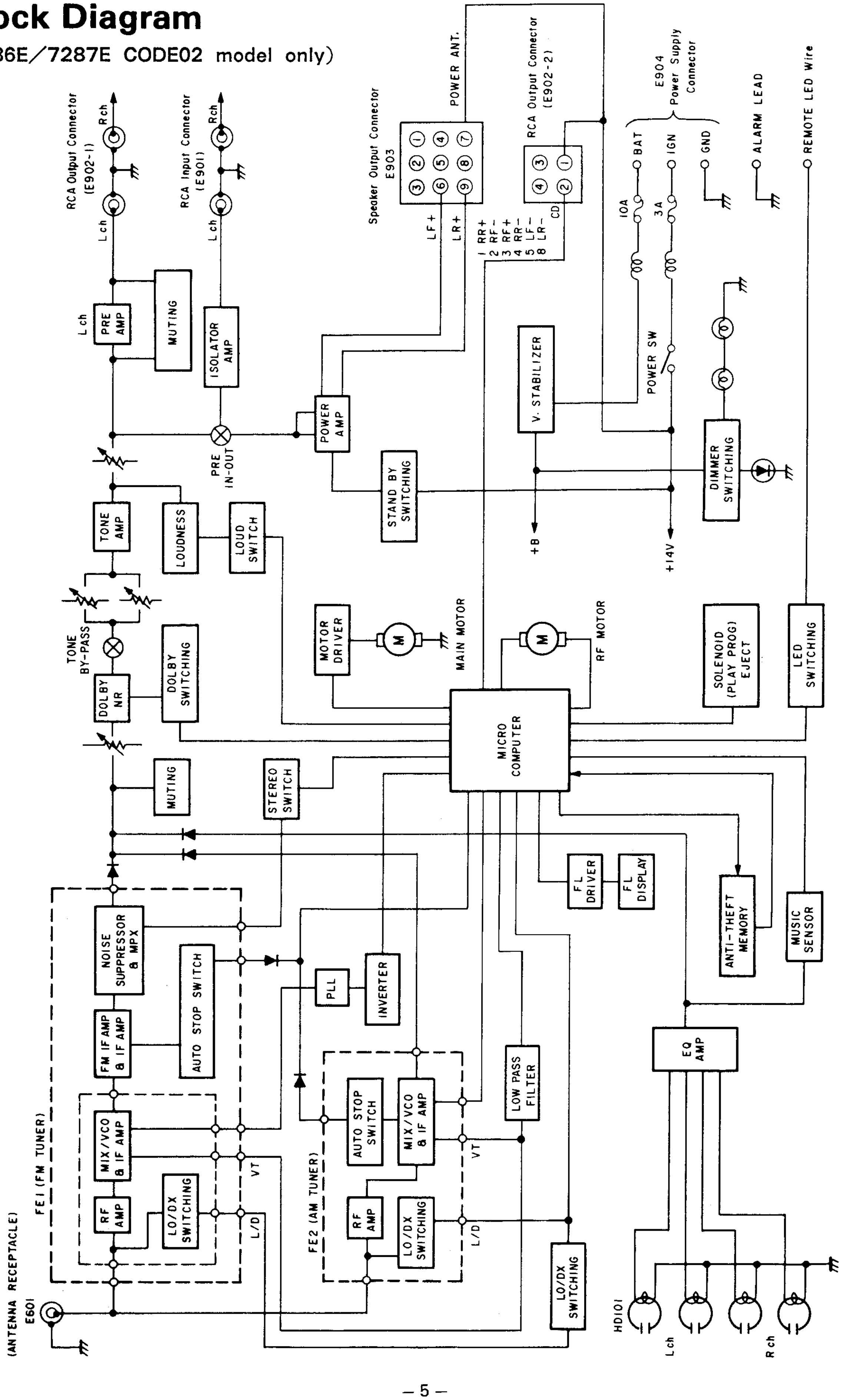

ANT
IF
OSC
Q2001
Q2002
Q2003
Q2004
Q2005
Q2006
IC2001
IC2002
IC2003
T2001
T2002
L2001 2.2
L2002 10
L2003
VL2001
VL2002
VL2003
VD2001 SVC211-SP
VD2002 SVC211-SP
VD2003 SVC211-SP
D2001 1SV172
CF2002
CF2003
X2001 456F15
TH2001 300
TH2002
LD2001
VR2001
VR2002 100K
VR2003 BLEND
VR2004 2.2K
STOP SENS
CB2001
CB2002
CB2003
ANT
GND
L/D
F OUT
VT
+B
M OUT
GND
L
R
5.1
30
5.5
D2001 : 1SV172
VD2001~2003 : SVC211-SP

Note : Parts marked ※ are for adjustment.

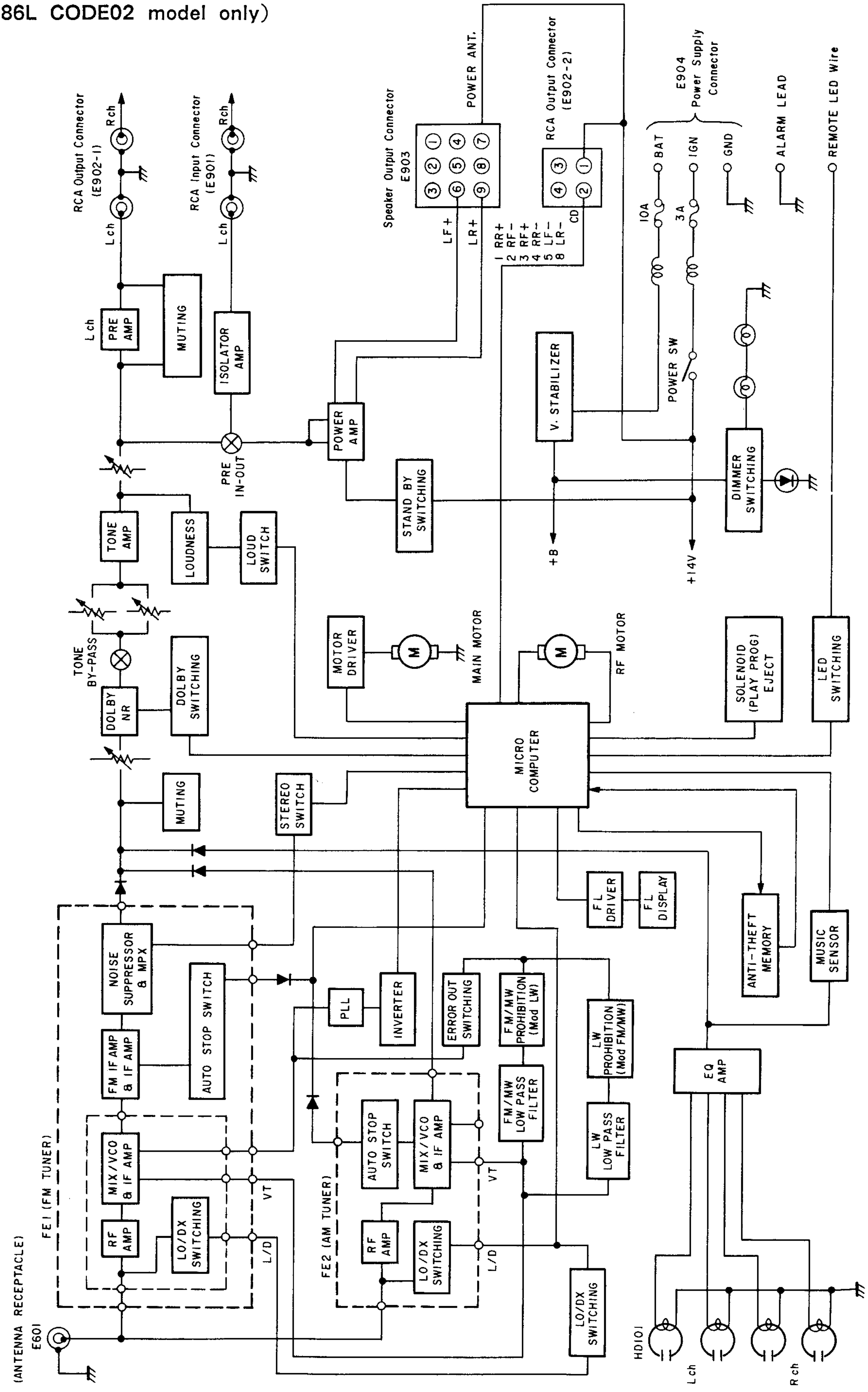
FM Tuner

Block Diagram

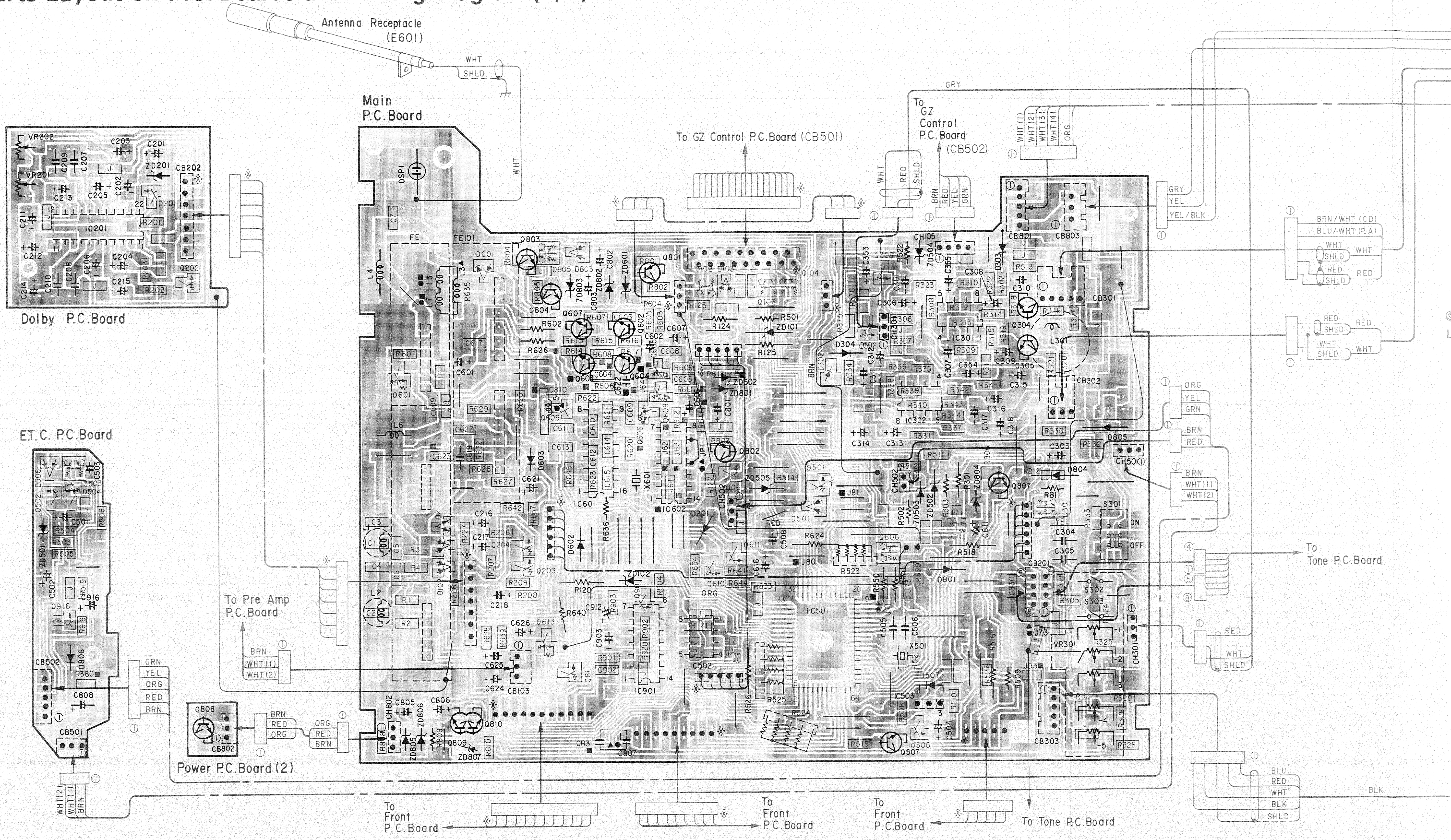
(7286E/7287E CODE02 model only)


RCA Output Connector (E902-1)
Rch
Lch
RCA Input Connector (E901)
Rch
Lch
Speaker Output Connector E903
POWER ANT.
LF+
LR+
1 RR+
2 RF−
3 RF+
4 RR−
5 LF−
8 LR−
CD
RCA Output Connector (E902-2)
E904 Power Supply Connector
BAT
IGN
GND
ALARM LEAD
REMOTE LED Wire
10A
3A
Lch
PRE AMP
MUTING
ISOLATOR AMP
POWER AMP
PRE IN-OUT
V. STABILIZER
POWER SW
STAND BY SWITCHING
DIMMER SWITCHING
+B
+14V
TONE AMP
LOUDNESS
LOUD SWITCH
TONE BY-PASS
MOTOR DRIVER
M
MAIN MOTOR
M
RF MOTOR
SOLENOID (PLAY PROG) EJECT
LED SWITCHING
DOLBY NR
DOLBY SWITCHING
MICRO COMPUTER
MUTING
STEREO SWITCH
FL DRIVER
FL DISPLAY
ANTI-THEFT MEMORY
MUSIC SENSOR
NOISE SUPPRESSOR & MPX
FM IF AMP & IF AMP
AUTO STOP SWITCH
PLL
INVERTER
LOW PASS FILTER
EQ AMP
MIX/VCO & IF AMP
RF AMP
LO/DX SWITCHING
VT
L/D
FE1 (FM TUNER)
AUTO STOP SWITCH
MIX/VCO & IF AMP
RF AMP
LO/DX SWITCHING
VT
L/D
FE2 (AM TUNER)
LO/DX SWITCHING
HD101
Lch
Rch
(ANTENNA RECEPTACLE) E601

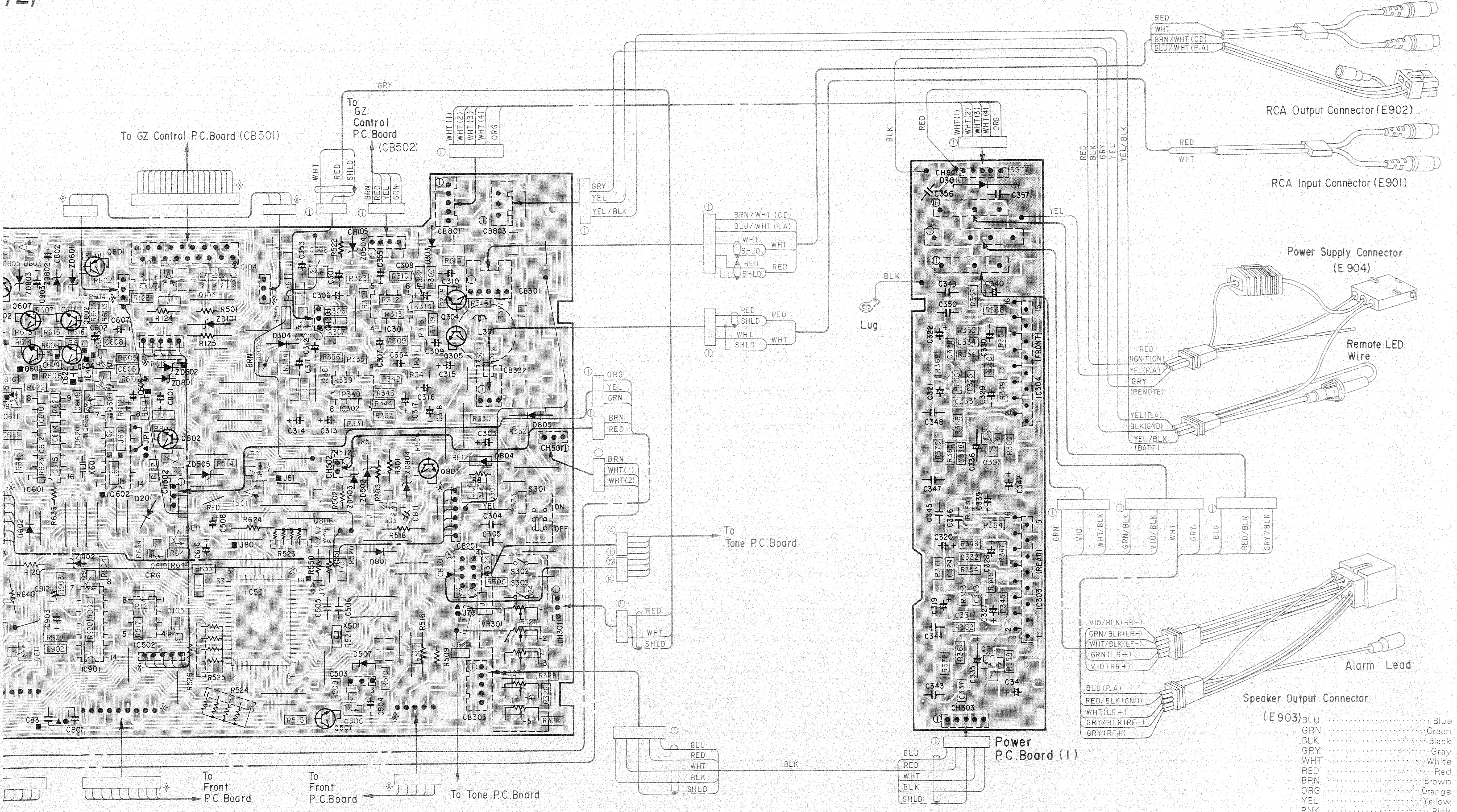
(7286L CODE02 model only)


(ANTENNA RECEPTACLE)
E601
FE1 (FM TUNER)
RF AMP
LO/DX SWITCHING
MIX/VCO & IF AMP
FM IF AMP & IF AMP
AUTO STOP SWITCH
NOISE SUPPRESSOR & MPX
VT
L/D
FE2 (AM TUNER)
RF AMP
LO/DX SWITCHING
MIX/VCO & IF AMP
AUTO STOP SWITCH
VT
L/D
PLL
INVERTER
ERROR OUT SWITCHING
FM/MW PROHIBITION (Mod LW)
FM/MW LOW PASS FILTER
LW PROHIBITION (Mod FM/MW)
LW LOW PASS FILTER
LO/DX SWITCHING
MUTING
STEREO SWITCH
DOLBY NR
DOLBY SWITCHING
TONE BY-PASS
TONE AMP
LOUDNESS
LOUD SWITCH
PRE IN-OUT
Lch
PRE AMP
MUTING
ISOLATOR AMP
RCA Output Connector (E902-1)
Lch
Rch
RCA Input Connector (E901)
Lch
Rch
POWER AMP
STAND BY SWITCHING
Speaker Output Connector E903
LF+
LR+
1 RR+
2 RF−
3 RF+
4 RR−
5 LF−
8 LR−
POWER ANT.
RCA Output Connector (E902-2)
CD
MOTOR DRIVER
MAIN MOTOR
RF MOTOR
MICRO COMPUTER
FL DRIVER
FL DISPLAY
V. STABILIZER
+B
+14V
POWER SW
10A
3A
E904 Power Supply Connector
BAT
IGN
GND
ALARM LEAD
REMOTE LED Wire
DIMMER SWITCHING
SOLENOID (PLAY PROG) EJECT
LED SWITCHING
ANTI-THEFT MEMORY
MUSIC SENSOR
EQ AMP
HD101
Lch
Rch

Parts Layout on P.C. Boards and Wiring Diagram (1/2)

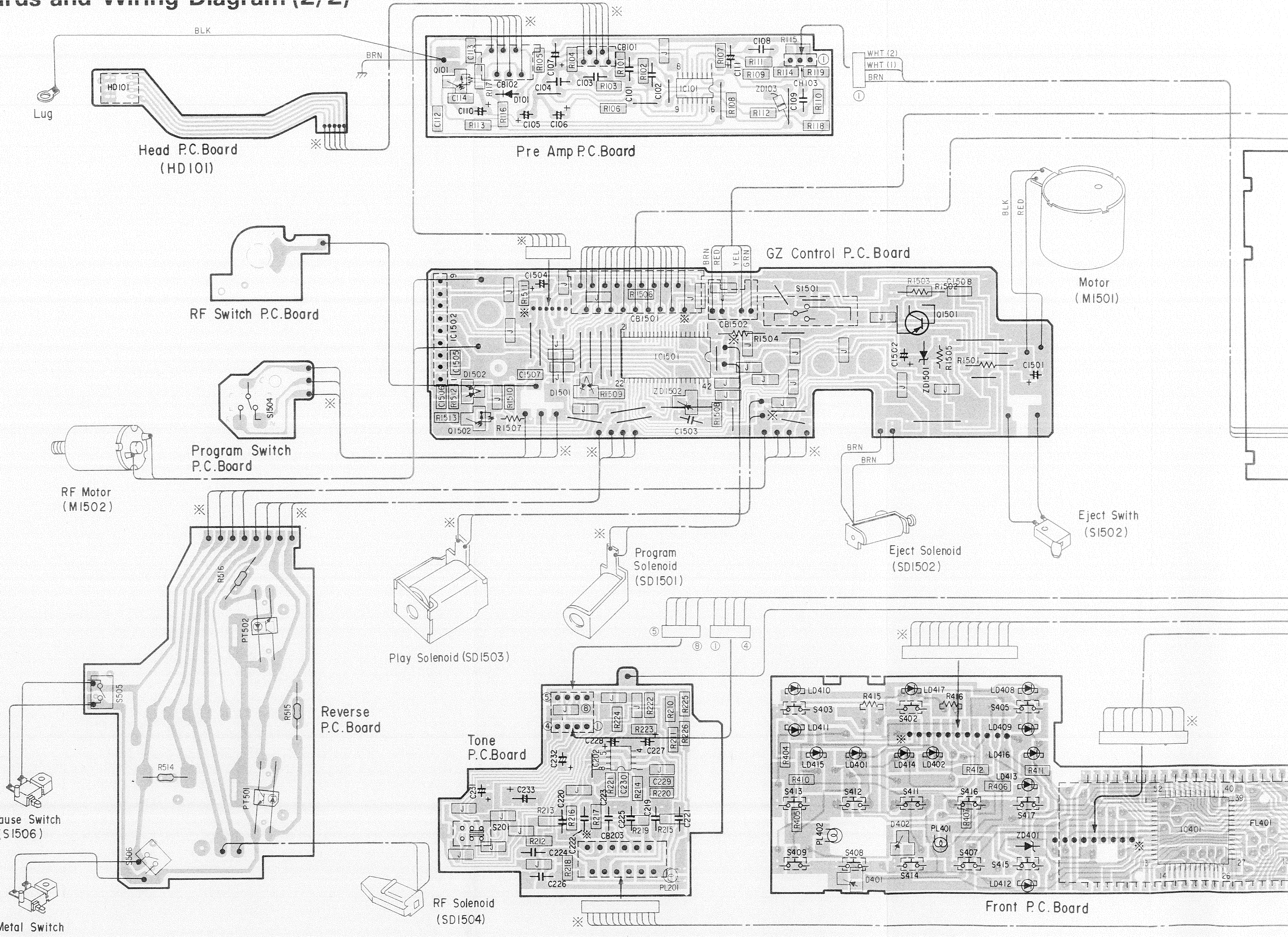

Antenna Receptacle (E601)
WHT
SHLD
Main P.C. Board
DSP1
To GZ Control P.C.Board (CB501)
To GZ Control P.C.Board (CB502)
GRY
WHT
RED
SHLD
BRN
RED
YEL
GRN
WHT(1)
WHT(2)
WHT(3)
WHT(4)
ORG
YEL
YEL/BLK
BRN/WHT (CD)
BLU/WHT (P.A)
CB801
CB803
CB301
CB302
CH501
CH105
CH502
S301
ON
OFF
CB201
S302
S303
VR301
CH301
CB303
IC501
IC301
IC302
IC502
IC503
IC601
IC602
IC901
CB103
X501
X601
Dolby P.C.Board
VR202
VR201
IC201
CB202
E.T.C. P.C.Board
CB502
CB501
To Pre Amp P.C.Board
BRN
WHT(1)
WHT(2)
GRN
ORG
Q808
CB802
Power P.C.Board (2)
CH802
To Front P.C.Board
To Front P.C.Board
To Front P.C.Board
To Tone P.C.Board
To Tone P.C.Board
BLU
BLK
SHLD

/2)

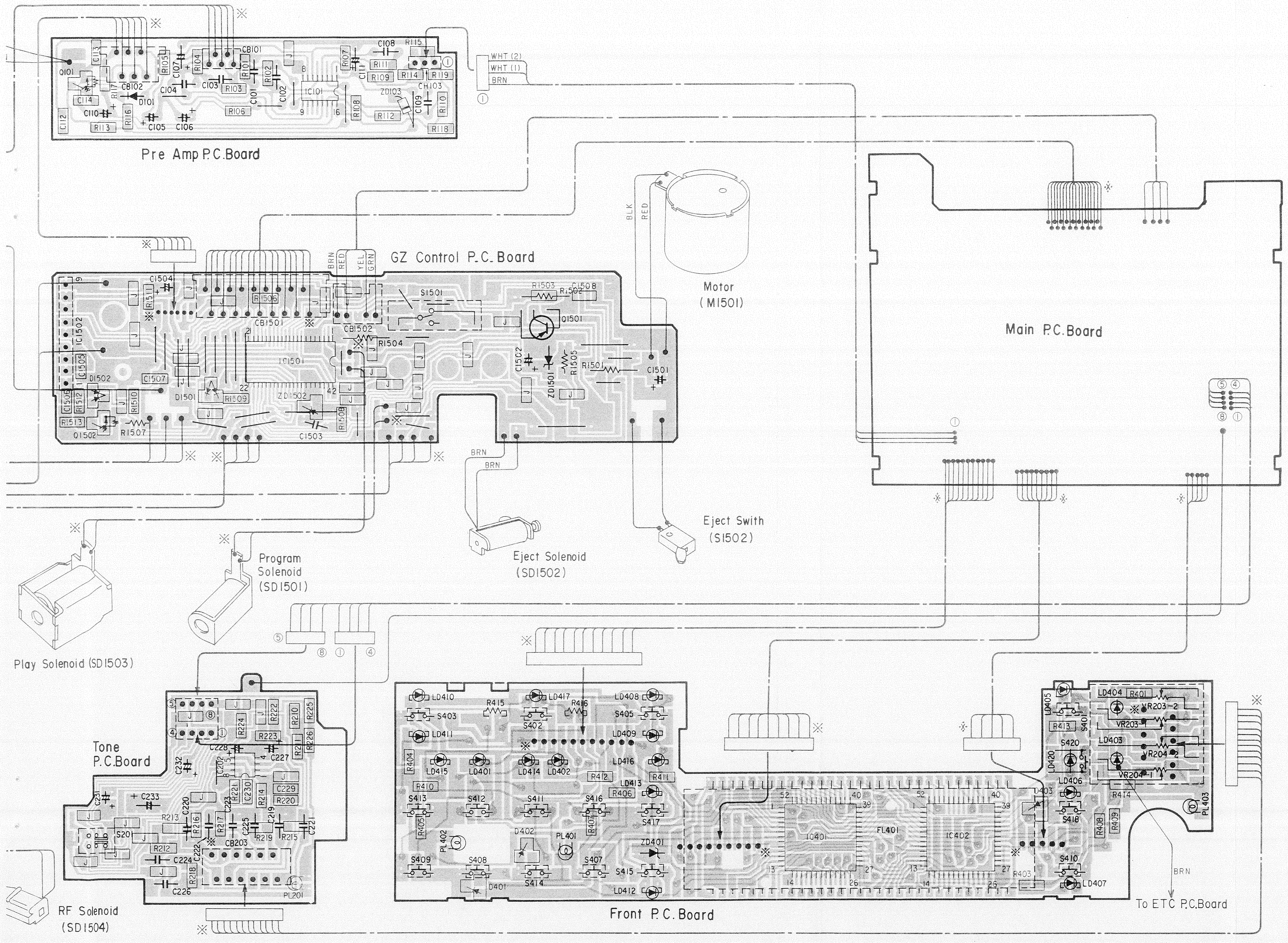

To GZ Control P.C.Board (CB501)
To GZ Control P.C.Board (CB502)
GRY
WHT
RED
SHLD
BRN
YEL
GRN
WHT(1)
WHT(2)
WHT(3)
WHT(4)
ORG
YEL/BLK
BRN/WHT (CD)
BLU/WHT (P.A)
BLK
Lug
IC501
IC502
IC503
IC601
IC602
IC901
IC302
IC303
IC304
CB801
CB803
CB301
CB302
CB303
CB201
To Tone P.C.Board
To Front P.C.Board
To Front P.C.Board
To Tone P.C.Board
Power P.C.Board (1)
(FRONT)
(REAR)
RCA Output Connector (E902)
RCA Input Connector (E901)
Power Supply Connector (E904)
RED (IGNITION)
YEL (P.A)
GRY (RENOTE)
YEL (P.A)
BLK (GND)
YEL/BLK (BATT)
Remote LED Wire
Alarm Lead
VIO/BLK (RR−)
GRN/BLK (LR−)
WHT/BLK (LF−)
GRN (LR+)
VIO (RR+)
BLU (P.A)
RED/BLK (GND)
WHT (LF+)
GRY/BLK (RF−)
GRY (RF+)
Speaker Output Connector (E903)
GRN
VIO
WHT/BLK
GRN/BLK
VIO/BLK
BLU
RED/BLK
GRY/BLK
BLU
RED
WHT
BLK
SHLD

BLU	Blue
GRN	Green
BLK	Black
GRY	Gray
WHT	White
RED	Red
BRN	Brown
ORG	Orange
YEL	Yellow
PNK	Pink
VIO	Violet
GRN/WHT	Green/White
GRY/WHT	Gray/White
GRY/YEL	Gray/Yellow
GRN/YEL	Green/Yellow
SHLD	Shield

Parts Layout on P.C. Boards and Wiring Diagram (2/2)


BLK
BRN
Lug
HD101
Head P.C.Board
(HD101)
※
Q101
C113
C114
C110
C112
R113
R117
R116
CB102
D101
C105
C106
C107
C104
R105
R104
C103
R103
CB101
R101
R102
C101
C102
R106
IC101
8
9
16
R107
R108
C111
C108
R115
R111
R109
R114
R119
ZD103
CH103
C109
R110
R112
R118
Pre Amp P.C.Board
WHT (2)
WHT (1)
BRN
①
RF Switch P.C.Board
Program Switch
P.C.Board
S1504
RF Motor
(M1502)
BRN
RED
YEL
GRN
GZ Control P.C. Board
C1504
R1511
R1506
CB1501
21
IC1502
C1505
C1506
R1512
R1513
Q1502
D1502
R1510
R1507
C1507
D1501
R1509
22
IC1501
42
ZD1502
C1503
R1508
CB1502
R1504
S1501
R1503
R1502
C1508
Q1501
C1502
ZD1501
R1505
R1501
C1501
BLK
RED
Motor
(M1501)
BRN
BRN
Eject Solenoid
(SD1502)
Eject Swith
(S1502)
R516
PT502
R515
R514
PT501
S505
S506
Reverse
P.C.Board
Pause Switch
(S1506)
Metal Switch
(S1505)
Play Solenoid (SD1503)
Program
Solenoid
(SD1501)
⑤
⑧
①
④
Tone
P.C.Board
J
R224
R222
R210
R225
R223
R226
R211
C228
C227
C232
C202
C231
C233
R213
C220
R216
R217
C223
R221
C230
R214
C229
R220
C225
C219
C221
S201
R212
C224
C222
R218
CB203
R219
R215
C226
PL201
RF Solenoid
(SD1504)
LD410
S403
R415
LD417
S402
R416
LD408
S405
LD411
LD409
R404
LD415
LD401
LD414
LD402
LD416
R410
R412
R411
LD413
R406
S413
S412
S411
S416
S417
R405
PL402
D402
PL401
R407
ZD401
S409
S408
S407
S415
D401
S414
LD412
52
40
39
IC401
FL401
27
14
26
Front P.C. Board

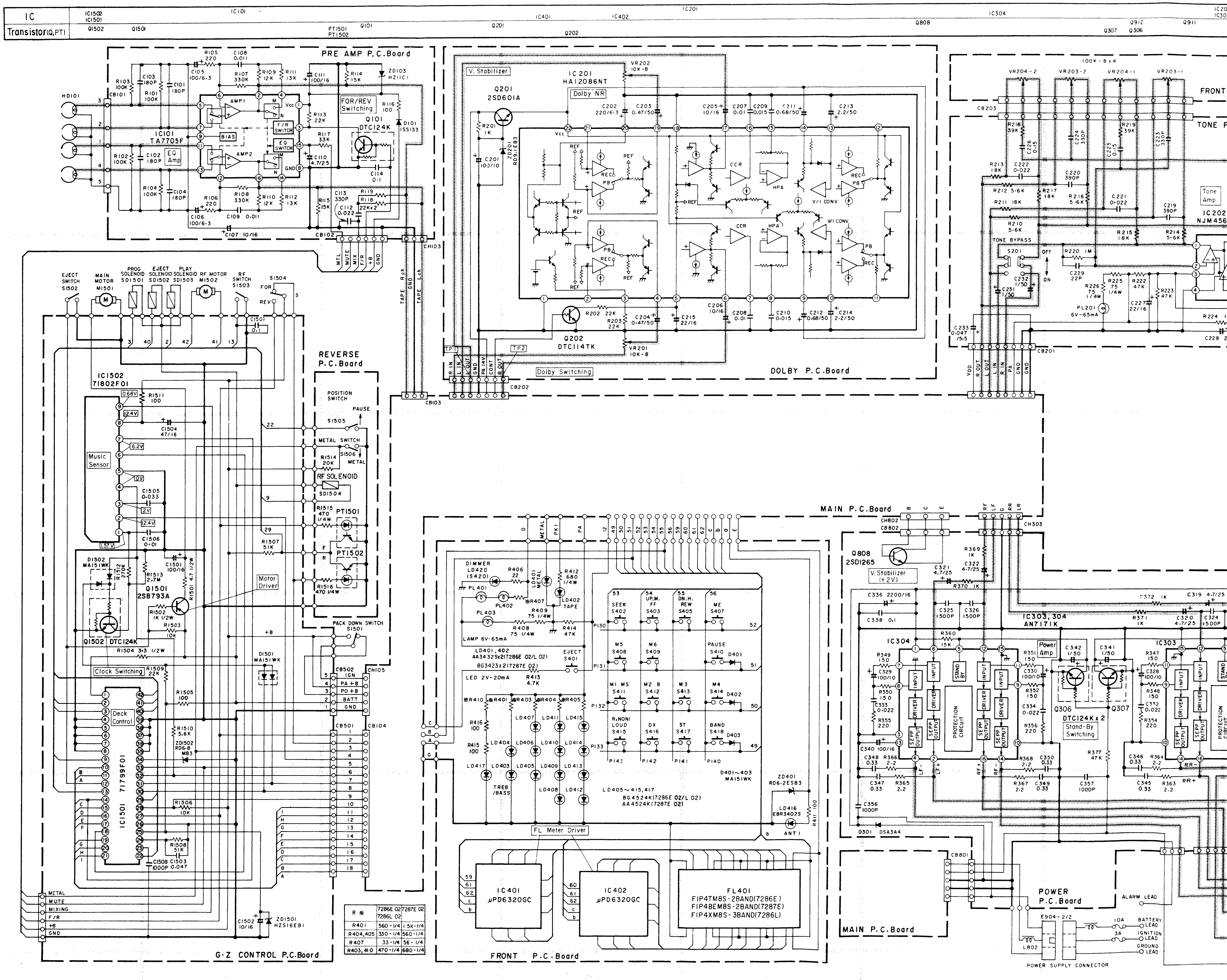
Notes :

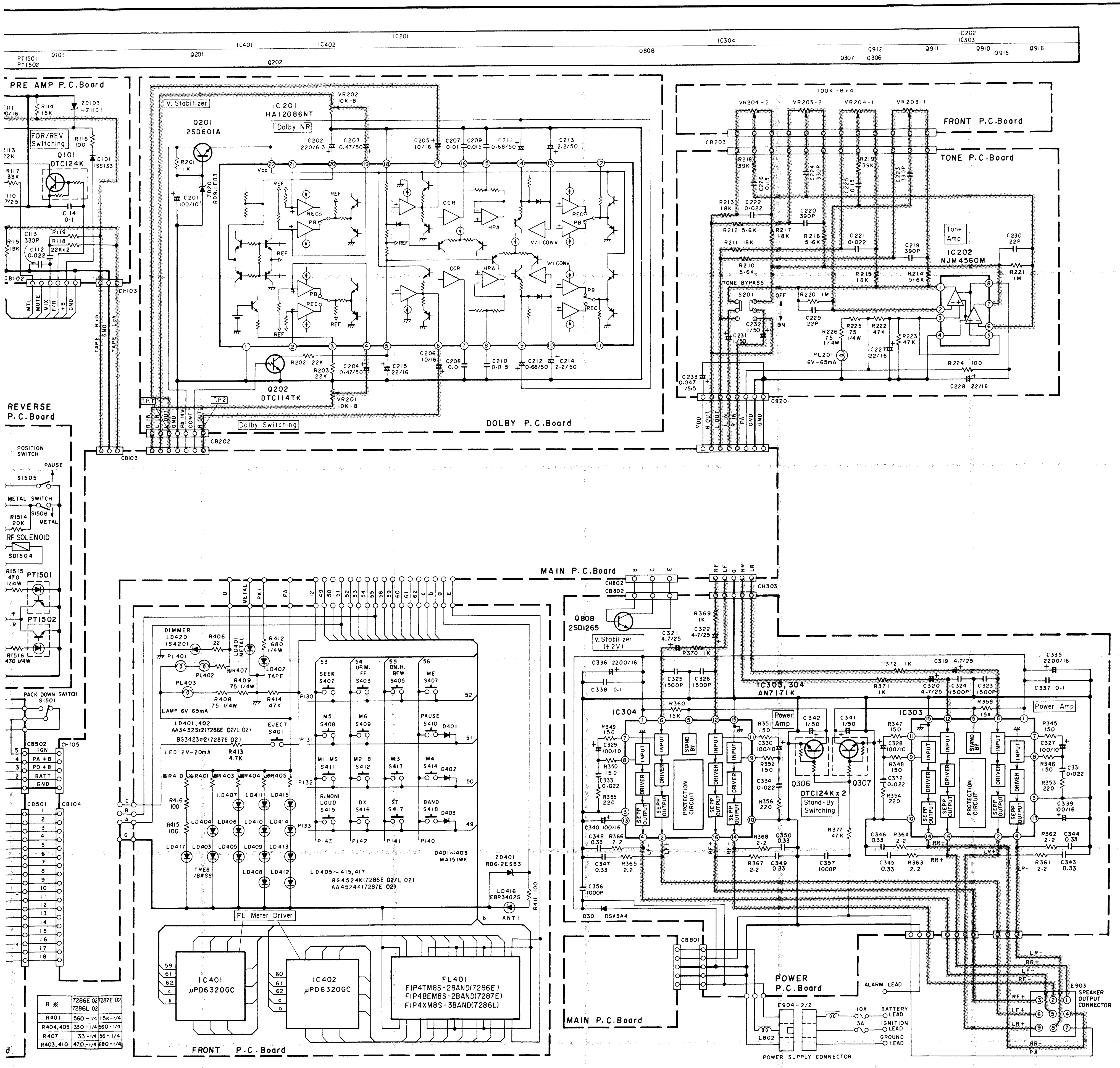

Pre Amp P.C.Board
WHT (2)
WHT (1)
BRN
GZ Control P.C. Board
BRN
RED
YEL
GRN
BLK
RED
Motor
(M1501)
Main P.C.Board
BRN
BRN
Eject Swith
(S1502)
Eject Solenoid
(SD1502)
Program
Solenoid
(SD1501)
Play Solenoid (SD1503)
Tone
P.C.Board
RF Solenoid
(SD1504)
Front P.C. Board
BRN
To ETC P.C.Board
※

BLU	Blue
GRN	Green
BLK	Black
GRY	Gray
WHT	White
RED	Red
BRN	Brown
ORG	Orange
YEL	Yellow
PNK	Pink
VIO	Violet
GRN/WHT	Green/White
GRY/WHT	Gray/White
GRY/YEL	Gray/Yellow
GRN/YEL	Green/Yellow
SHLD	Shield

Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.

Schematic Diagram (1/2)


IC
Transistor(Q,PT)
IC1502
IC1501
IC101
IC401
IC402
IC201
IC304
Q1502
Q1501
PT1501
PT1502
Q101
Q201
Q202
Q808
Q912
Q911
Q307
Q306
PRE AMP P.C.Board
IC101 TA7705F
AMP1
AMP2
EQ Amp
F/R SWITCH
EQ SWITCH
BIAS
FOR/REV Switching
Q101 DTC124K
ZD103 HZ11C1
D101 1SS133
HD101
CB101
CB102
CH103
MTL
MUTE
MIX
F/R
+B
GND
TAPE Rch
TAPE Lch
DOLBY P.C.Board
V. Stabilizer
Q201 2SD601A
IC201 HA12086NT
Dolby NR
Q202 DTC114TK
Dolby Switching
VR201 10K-B
VR202 10K-B
CB201
CB202
CB203
CB103
TONE
FRONT
Tone Amp
IC202 NJM456
TONE BYPASS
S201
PL201 6V-65mA
100K-B×4
VR204-2
VR203-2
VR204-1
VR203-1
EJECT SWITCH S1502
MAIN MOTOR M1501
PROG SOLENOID SD1501
EJECT SOLENOID SD1502
PLAY SOLENOID SD1503
RF MOTOR M1502
RF SWITCH S1503
S1504
IC1502 71802F01
Music Sensor
Q1501 2SB793A
Q1502 DTC124K
D1502 MA151WK
Motor Driver
Clock Switching
Deck Control
IC1501 71799F01
REVERSE P.C.Board
POSITION SWITCH
PAUSE
S1505
METAL SWITCH
S1506
METAL
RF SOLENOID
SD1504
PT1501
PT1502
PACK DOWN SWITCH S1501
D1501 MA151WK
CB502
CH105
IGN
PA +B
PO +B
BATT
GND
CB501
CB104
ZD1502 RD6-8 MB3
ZD1501 HZS16EB1
G·Z CONTROL P.C.Board
METAL
MUTE
MIXING
F/R
+B
GND
R ※ | 7286E 02 7286L 02 | 7287E 02
R401 | 560-1/4 | 1.5K-1/4
R404,405 | 330-1/4 | 560-1/4
R407 | 33-1/4 | 56-1/4
R403,410 | 470-1/4 | 680-1/4
FRONT P.C.Board
DIMMER LD420 (S420)
PL401
PL402
PL403
LAMP 6V-65mA
LD401,402 AA3432Sx2(7286E 02/L 02) BG3423x2(7287E 02)
LED 2V-20mA
LD401 METAL
LD402 TAPE
EJECT S401
SEEK S402
UP.M. FF S403
DN.H. REW S405
ME S407
M5 S408
M6 S409
PAUSE S410
M1 MS S411
M2 B S412
M3 S413
M4 S414
R.NONI LOUD S415
DX S416
ST S417
BAND S418
TREB /BASS
LD405~415,417 BG4524K(7286E 02/L 02) AA4524K(7287E 02)
D401~403 MA151WK
ZD401 RD6-2ES83
LD416 EBR3402S
ANT1
FL Meter Driver
IC401 µPD6320GC
IC402 µPD6320GC
FL401 FIP4TM8S-2BAND(7286E) FIP4BEM8S-2BAND(7287E) FIP4XM8S-3BAND(7286L)
MAIN P.C.Board
CH802
CB802
CH303
Q808 2SD1265
V. Stabilizer (+2V)
IC303,304 AN7171K
IC304
IC303
Power Amp
INPUT
DRIVER
SEPP OUTPUT
STAND BY
PROTECTION CIRCUIT
Q306
Q307
DTC124Kx2
Stand-By Switching
D301 DSA3A4
CB801
POWER P.C.Board
ALARM LEAD
BATTERY LEAD
IGNITION LEAD
GROUND LEAD
E904-2/2
L802
10A
3A
POWER SUPPLY CONNECTOR


PRE AMP P.C.Board
FOR/REV Switching
Q101 DTC124K
REVERSE P.C.Board
DOLBY P.C.Board
V.Stabilizer
Q201 2SD601A
IC201 HA12086NT
Dolby NR
Q202 DTC114TK
Dolby Switching
FRONT P.C.Board
TONE P.C.Board
TONE BYPASS
Tone Amp
IC202 NJM4560M
MAIN P.C.Board
Q808 2SD1265
V.Stabilizer (+2V)
IC303, 304 AN7171K
IC304
IC303
Power Amp
PROTECTION CIRCUIT
DTC124Kx2
Stand-By Switching
Q306
Q307
POWER P.C.Board
ALARM LEAD
BATTERY LEAD
IGNITION LEAD
GROUND LEAD
POWER SUPPLY CONNECTOR
SPEAKER OUTPUT CONNECTOR
FL Meter Driver
IC401 μPD6320GC
IC402 μPD6320GC
FL401
FIP4TM8S-2BAND(7286E)
FIP4BEM8S-2BAND(7287E)
FIP4XM8S-3BAND(7286L)
FRONT P.C.Board
POSITION SWITCH
METAL SWITCH
RF SOLENOID
PACK DOWN SWITCH

R ※	7286E 02 7286L 02	7287E 02
R401	560 -1/4	1.5K-1/4
R404,405	330 -1/4	560 -1/4
R407	33 -1/4	56 - 1/4
R403,410	470 -1/4	680 -1/4

	E	C	B	MODE
Q101	0V/14V	7.6V/0V	0V/0V	FOR/REV
Q201	8.7V	13.7V	9.1V	—
Q202	0V	4.3V/1.2V	0V/2V	DOLBY ON/OFF
Q306	0V	0V/6.1V	3.2V/0V	POWER ON/OFF
Q307	0V	0V/6.1V	3.2V/0V	POWER ON/OFF
Q808	2.3V	13.7V	2.9V	—

IC101

	METAL		
	ON		OFF
	FOR	REV	–
1	12.7V	12.7V	–
2	3V	3V	–
3	12.7V	0V	–
4	3V	3V	–
5	2.9V	2.9V	–
6	2.9V	2.9V	–
7	2.9V	2.9V	–
8	0V	0V	–
9	2.9V	2.9V	–
10	0V	0V	–
11	2.9V	2.9V	–
12	2.9V	2.9V	–
13	2.9V	2.9V	–
14	3V	3V	–
15	0V	0V	13V
16	3V	3V	–

IC201
DOLBY ON/OFF

1	0V
2	4.3V
3	1.1V
4	4.3V
5	4.3V/1.2V
6	4.4V
7	4.3V
8	4.3V
9	0V
10	0V
11	4.3V
12	4.3V
13	0V
14	0V
15	4.3V
16	4.4V
17	4.4V
18	0V
19	4.3V
20	4.3V
21	4.3V
22	8.7V

IC202

1	6.8V
2	6.9V
3	6.9V
4	0V
5	6.9V
6	6.9V
7	6.8V
8	13.2V

IC303

1	14.4V
2	7V
3	0V
4	7V
5	0V
6	0V
7	1.3V
8	1.4V
9	1.4V
10	0V
11	1.3V
12	0V
13	14V
14	7V
15	0V
16	7.1V

IC304

1	14.4V
2	7V
3	0V
4	7V
5	0V
6	0V
7	1.3V
8	1.4V
9	1.4V
10	0V
11	1.3V
12	0V
13	14V
14	7V
15	0V
16	7.1V

IC1501

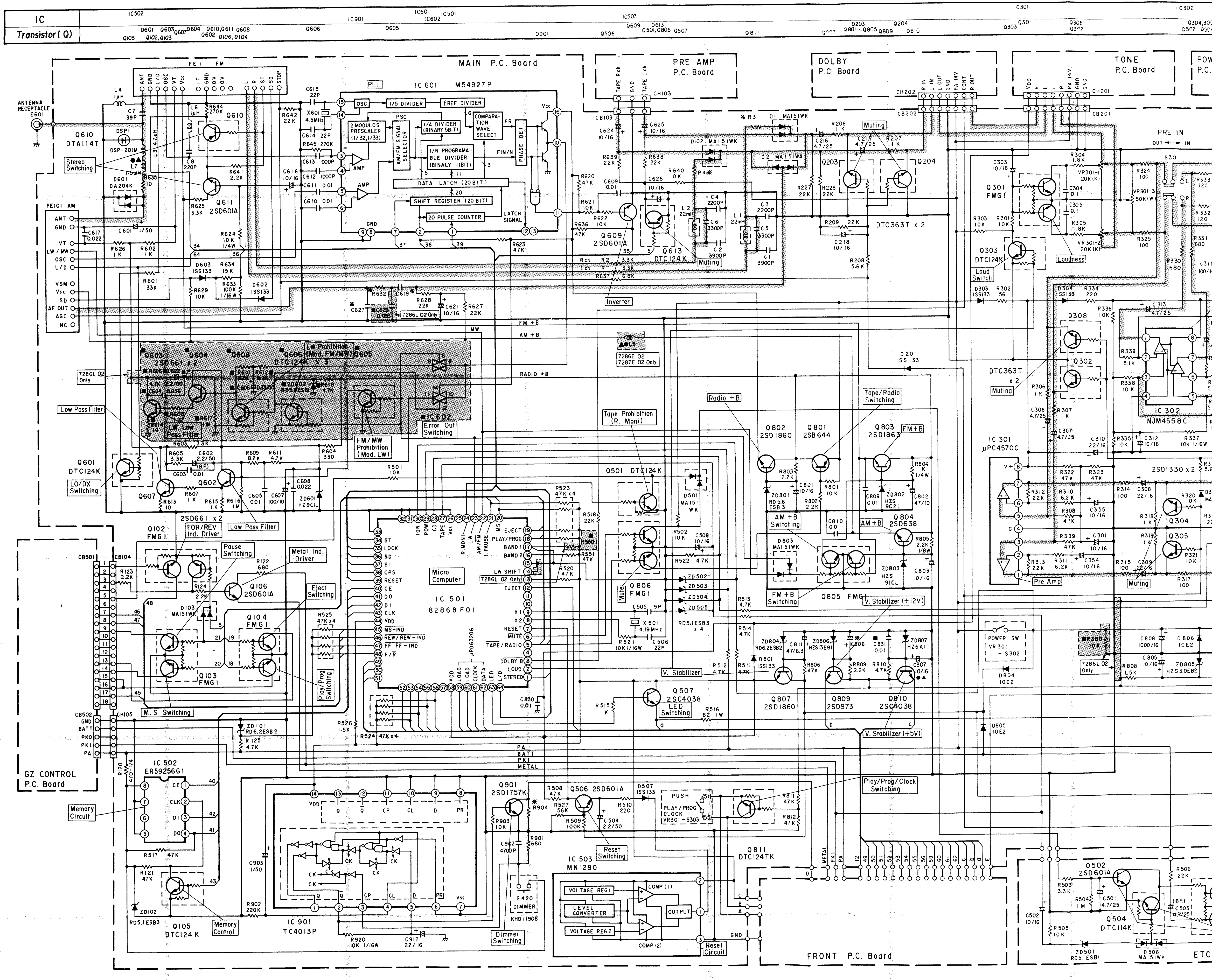
1	13.9V	
2	13.9V	
3	13.9V	
4	0V	
5	0V	
6	0V	
7	0V	
8	0V	
9	13.9V	
10	12.3V	
11	12.3V	
12	0.1V	
13	0V	
14	6.2V	
15	6.2V	
16	6.2V	
17	6.2V	
18	6.2V	
19	6.2V	
20	6.2V	
21	6.2V	
22	0V	
23	6.2V	
24	5.6V	
25	13.6V	
26	0V	
27	0V/13.9V	FOR/REV
28	13.1V	
29	P.S	
30	12.5V	
31	12.5V	
32	0V	
33	0V	
34	0.16V	
35	0V	
36	0V	
37	0V	
38	0V	
39	0V	
40	13.9V	
41	0V	
42	0V	

< Measuring Conditions >
1. Power Supply Voltage
: DC14.4V
2. Measuring Meter
: Digital Multi Meter
3. Measuring Point Reference
: Between GND
4. Measuring Conditions
: No Signal Input
: Deck in play condition
FM : 98.1MHz
AM/MW : 999KHz
LW : 218KHz

NOTES:
1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1{,}000{,}000}$

7286L/E/7287E
CODE02

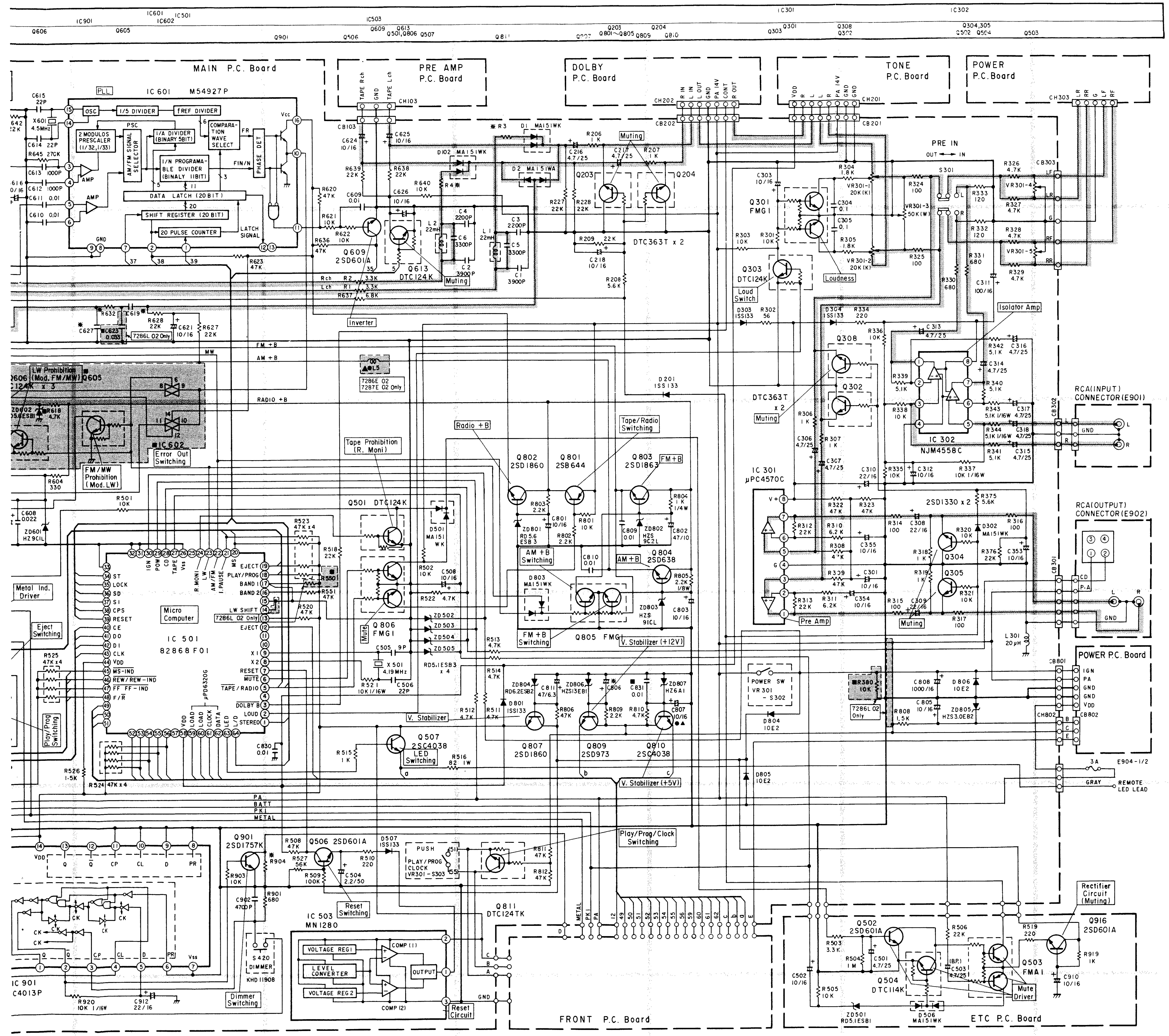
Schematic Diagram (2/2)



IC
Transistor (Q)
MAIN P.C. Board
PRE AMP P.C. Board
DOLBY P.C. Board
TONE P.C. Board
FRONT P.C. Board
GZ CONTROL P.C. Board
ANTENNA RECEPTACLE E601
FE I FM
FE101 AM
IC 601 M54927P
PLL
1/5 DIVIDER
FREF DIVIDER
2 MODULOS PRESCALER (1/32,1/33)
AM/FM SIGNAL SELECTOR
1/A DIVIDER (BINARY 5BIT)
1/N PROGRAMABLE DIVIDER (BINALY 11BIT)
COMPARATION WAVE SELECT
PHASE DET
DATA LATCH (20 BIT)
SHIFT REGISTER (20 BIT)
20 PULSE COUNTER
LATCH SIGNAL
Stereo Switching
Low Pass Filter
LW Prohibition (Mod. FM/MW)
LW Low Pass Filter
FM/MW Prohibition (Mod. LW)
IC 602
Error Out Switching
7286L 02 Only
LO/DX Switching
Tape Prohibition (R. Moni)
Radio +B
Tape/Radio Switching
Muting
Inverter
Loudness
Loud Switch
DTC363T x 2
IC 302 NJM4558C
IC 301 μPC4570C
Pre Amp
AM+B Switching
FM+B Switching
V. Stabilizer (+12V)
V. Stabilizer (+5V)
V. Stabilizer
LED Switching
IC 501 82868F01
Micro Computer
FOR/REV Ind. Driver
Pause Switching
Metal Ind. Driver
Eject Switching
Play/Prog Switching
M.S Switching
IC 502 ER59256G1
Memory Circuit
Memory Control
IC 901 TC4013P
Dimmer Switching
Reset Switching
IC 503 MN1280
VOLTAGE REG1
LEVEL CONVERTER
VOLTAGE REG2
OUTPUT
Reset Circuit
Play/Prog/Clock Switching
POWER SW VR301 - S302
PRE IN

Notes : ●: For 7286E code02 mo
▲: For 7287E code02 mo

7286L/E/7287E
CODE02


IC901 IC601 IC602 IC501 IC503 IC301 IC302
MAIN P.C. Board
IC 601 M54927P
PLL
1/5 DIVIDER
fREF DIVIDER
2 MODULOS PRESCALER (1/32,1/33)
PSC
1/A DIVIDER (BINARY 5BIT)
COMPARATION WAVE SELECT
PHASE DET
1/N PROGRAMABLE DIVIDER (BINALY 11BIT)
DATA LATCH (20 BIT)
SHIFT REGISTER (20 BIT)
20 PULSE COUNTER
LATCH SIGNAL
AMP
X601 4.5MHz
PRE AMP P.C. Board
DOLBY P.C. Board
TONE P.C. Board
POWER P.C. Board
Muting
Inverter
Q609 2SD601A
Q613 DTC124K
Q203 Q204 DTC363T x 2
Q301 FMG1
Q303 DTC124K
Loud Switch
Loudness
PRE IN
VR301-1 20K(K)
VR301-2 20K(K)
VR301-3 50K(W)
Isolator Amp
IC 302 NJM4558C
Q308 Q302 DTC363T x 2
IC 301 µPC4570C
2SD1330 x 2
Q304 Q305
Pre Amp
RCA(INPUT) CONNECTOR(E901)
RCA(OUTPUT) CONNECTOR(E902)
POWER P.C. Board
IGN PA GND GND VDD
LW Prohibition (Mod. FM/MW)
Q606 Q605
IC 602
Error Out Switching
FM/MW Prohibition (Mod. LW)
FM+B AM+B RADIO+B MW
Tape Prohibition (R. Moni)
Radio +B
Tape/Radio Switching
Q802 2SD1860
Q801 2SB644
Q803 2SD1863
Q501 DTC124K
AM+B Switching
Q804 2SD638
Q806 FMG1
Mute
FM+B Switching
Q805 FMG1
V. Stabilizer(+12V)
V. Stabilizer
V. Stabilizer(+5V)
Q807 2SD1860
Q809 2SD973
Q810 2SC4038
Q507 2SC4038
LED Switching
IC 501 82868F01
Micro Computer
µPD6320G
Metal Ind. Driver
Eject Switching
Play/Prog Switching
LW SHIFT 7286L 02 Only
POWER SW VR 301 - S302
7286L 02 Only
Q901 2SD1757K
Q506 2SD601A
Play/Prog/Clock Switching
PUSH PLAY/PROG CLOCK VR301-S303
Reset Switching
Q811 DTC124TK
IC 503 MN1280
VOLTAGE REG1
LEVEL CONVERTER
VOLTAGE REG2
COMP (1)
COMP (2)
OUTPUT
Reset Circuit
S420 DIMMER KHD11908
Dimmer Switching
IC 901 C4013P
FRONT P.C. Board
Q502 2SD601A
Q504 DTC114K
Q503 FMA1
Mute Driver
Q916 2SD601A
Rectifier Circuit (Muting)
ETC P.C. Board
3A E904-1/2
GRAY
REMOTE LED LEAD

	E	C	B	MODE
Q102-1	0V	6.2V/0V	0V/13.8V	FOR/REV
Q102-2	0V	0V/3.8V	0V/0V	NOR/MET
Q103-1	0V	12.9V/0V	0V/5V	PLAY/PAUSE
Q103-2	0V	6.4V/P.S	0V/P.S	MS OFF/ON
Q104-1	0V	6.4V/P.S	0V/P.S	EJECT OFF/ON
Q104-2	0V	6.4V/P.S	0V/P.S	PROG OFF/ON
Q105	0V	5.3V	0V	–
Q106	0V/2.1V	13.8V/2.2V	0V/2.8V	NOR/MET
Q203	0V	0V	4.4V/0V	MUTE ON/OFF
Q204	0V	0V	4.4V/0V	MUTE ON/OFF
Q301-1	0V	0V	5.2V/0V	LUDE OFF/ON
Q301-2	0V	0V	5.2V/0V	LUDE OFF/ON
Q302	0V	0V	4.5V/0V	MUTE ON/OFF
Q303	0V	9.6V/0V	0V/5V	LOUE OFF/ON
Q304	0V	0V	0.8V/0V	MUTE ON/OFF
Q305	0V	0V	0.8V/0V	MUTE ON/OFF
Q308	0V	0V	4.5V/0V	MUTE ON/OFF
Q501	0V	0V	0V/5V	R.MONI OFF/ON
Q502	0V	0V/13.7V	0.8V/0V	MUTE ON/
Q503-1	12.4V/13.7V	12.3V/0V	0V/13.7V	MUTE ON/OFF
Q503-2	12.4V/13.7V	0V/0V	12.3V/13.7V	MUTE ON/OFF
Q504	0V	0V/13.7V	0.4V/0V	MUTE ON/OFF
Q506	6.2V	6.2V	6.8V	–
Q507	0V/3.3V	5.6V	0V/4.3V	ANTILED OFF/ON
Q601	0V	0V/8.7V	4.57V/0V	LO/DX
Q602	0.7V	10.1V	1.3V	–
Q607	0V	3.4V	0.7V	–
Q609	0V	0V	1V	TAPE/RADIO
Q610	0V/4V	0V/4V	0V/1.1V	MO/ST
Q611	0V/4V	9.1V/4V	0V/4.6V	MO/ST
Q613	0V	9.6V/0V	0V/5V	TAPE/RADIO
Q801	13.6V/13.5V	0V/13.3V	13.6V/12.7V	TAPE/RADIO
Q802	1V/5.1V	0V/13.3V	0V/5.8V	TAPE/RADIO
Q803	0V/9V	0V/13.3V	0V/9.6V	AM/FM
Q804	0V/8.6V	0V/13.5V	0V/9.3V	FM/AM
Q805-1	0V	0V/9.3V	9.1V/0V	FM/AM
Q805-2	0V	0V/9.7V	4.5V/0V	AM/FM
Q806-1	0V	4.4V/0V	0V/5V	MUTE ON/OFF
Q806-2	0V	13.7V/0V	0V/5V	TAPE/RADIO
Q807	5.6V	13.8V	6.3V	–
Q809	12.1V	13.7V	12.7V	–
Q810	5V	13.7V	5.4V	–
Q811	P.S/0V	P.S/5.6V	P.S/0V	PROG ON/OFF
Q901	0V	0V/2.5V	1V/0V	DIMMER OFF/ON

IC301

1	6.5V
2	6.5V
3	6.5V
4	0V
5	6.5V
6	6.5V
7	6.5V
8	13V

IC302

1	4.2V
2	4.2V
3	4.2V
4	0V
5	4.2V
6	4.2V
7	4.2V
8	8.3V

IC502

1	0V
2	5.3V
3	0V
4	5.3V
5	0V
6	5.3V
7	0V
8	5.3V

IC503

1	5.7V
2	5.6V
3	0V

IC901
DIMMER OFF/ON

1	0V/5.6V
2	5.2V/0V
3	0V
4	0V
5	5.2V/0V
6	0V
7	0V
8	0V
9	0V
10	0V
11	0V
12	5.6V/0V
13	0V/5.6V
14	5.6V

IC601
TAPE/RADIO

1	5V/5V
2	5V/5V
3	0V/1.5V
4	0V/1.4V
5	0V/1.4V
6	0V/1.4V
7	0V/0V
8	0V/0V
9	0V/0V
10	0V/1.3V
11	1V/1.7V
12	0V/0V
13	0V/0V
14	0V/1V
15	0V/1V
16	1V/5.2V

※ Model	7286E 02(●)	7286L 02(■)	7287E 02(▲)
IC602	Not Used	TC4066BP	Not Used
Q603	Not Used	2SD661	Not Used
Q604	Not Used	2SD661	Not Used
Q605	Not Used	DTC124K	Not Used
Q606	Not Used	DTC124K	Not Used
Q608	Not Used	DTC124K	Not Used
ZD602	Not Used	RD5.6ESB1	Not Used
L5	10µH	Not Used	10µH
C604	Not Used	0.056µF	Not Used
C606	Not Used	0.33µF/50V	Not Used
C619	0.047µF	0.1µF	0.047µF
C622	Not Used	22µF/50V(B.P.)	Not Used
C623	Not Used	0.033µF	Not Used
C627	0.039µF	0.033µF	0.039µF
C806	10µF/16V	22µF/16V	10µF/16V
C807	10µF/16V	Not Used	10µF/16V
C831	Not Used	0.01µF	Not Used
R3	6.2Kohm	10Kohm	6.2Kohm
R4	6.2Kohm	10Kohm	6.2Kohm
R550	Not Used	47Kohm	Not Used
R606	Not Used	4.7Kohm	Not Used
R608	Not Used	1Kohm	Not Used
R610	Not Used	8.2Kohm	Not Used
R612	Not Used	2.2Kohm	Not Used
R614	Not Used	10ohm	Not Used
R617	Not Used	1Mohm	Not Used
R618	Not Used	4.7Kohm	Not Used
R632	18Kohm	2.2Kohm	18Kohm
R904	56ohm	56ohm	82ohm
R380	Not Used	10Kohm	Not Used

< Measuring Conditions >

1. Power Supply Voltage
   : DC14.4V
2. Measuring Meter
   : Digital Multi Meter
3. Measuring Point Reference
   : Between GND
4. Measuring Conditions
   : No Signal Input
   : Deck in play condition
   FM : 98.1MHz
   AM/MW : 999KHz
   LW : 218KHz

NOTES:

1. All resistance values are in ohms. K = 1,000
2. All capacitance values are in microfarads. P = $\frac{1}{1{,}000{,}000}$

Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.

Electrical Parts List

Resistor : Carbon resistors under 1/4 watts are not mentioned in the parts list, please confirm them by schematic diagram.
uF = microfarads, pF = picofarads

Abbreviations

RES. = Resistor	CAP. = Capacitor
C.F. = Carbon Film	ELY. = Electrolytic
M.F. = Metal Film	CER. = Ceramic
M.O. = Metal Oxide Film	MYL. = Mylar
M.P. = Metal Plate	TAN. = Tantalum
TR. = Transistor	POLY. = Polystyrol
TRANS. = Transformer	PP. = Polypropylene
CP. = Chip	PLT. = Polyethylene

	Symbol No.	Part No.	Description		
	Main P. C. Board				
	IC's				
	IC301	51T83403F01	µ PC4570C		
	IC302	51T52383F01	NJM4558D		
	IC501	51T82868F02	82868F02		
	IC502	51T83402F01	ER59256GI		
	IC503	51T72309F07	MN1280		
	IC601	51T82710F01	M54927P		
■	IC602	51T47739F01	TC4066BP		
	IC901	51T40391U01	TC4013P		
	Transistors				
	Q102	48T73888F08	CP., FMG1		
	Q103	48T73888F08	CP., FMG1		
	Q104	48T73888F08	CP., FMG1		
	Q105	48T62967F03	CP., DTC124K		
	Q106	48T52438F01	CP., 2SD601A		
	Q203	48T62967F34	CP., DTC363T		
	Q204	48T62967F34	CP., DTC363T		
	Q301	48T73888F08	CP., FMG1		
	Q302	48T62967F34	CP., DTC363T		
	Q303	48T62967F03	CP., DTC124K		
	Q304	48T57337F03	2SD1330		
	Q305	48T57337F03	2SD1330		
	Q308	48T62967F34	CP., DTC363T		
	Q501	48T62967F03	CP., DTC124K		
	Q506	48T52438F01	CP., 2SD601A		
	Q507	48T82758F03	2SC4038		
	Q601	48T62967F03	CP., DTC124K		
	Q602	48T42182U01	2SD661		
■	Q603	48T42182U01	2SD661		
■	Q604	48T42182U01	2SD661		
■	Q605	48T62967F03	CP., DTC124K		
■	Q606	48T62967F03	CP., DTC124K		
	Q607	48T42182U01	2SD661		
■	Q608	48T62967F03	CP., DTC124K		
	Q609	48T52438F01	CP., 2SD601A		
	Q610	48T62966F09	CP., DTA114T		
	Q611	48T52438F01	CP., 2SD601A		
	Q613	48T62967F03	CP., DTC124K		
	Q801	48T47866F02	2SB644		
	Q802	48T83414F04	2SD1860		
	Q803	48T83617F03	2SD1863		
	Q804	48S42455F02	2SD638		
	Q805	48T73888F08	CP., FMG1		
	Q806	48T73888F08	CP., FMG1		
	Q807	48T83414F04	2SD1860		
	Q809	48T52549F02	2SD973A		
	Q810	48T82758F03	2SC4038		
	Q811	48T62967F21	CP., DTC124TK		
	Q901	48T72752F01	CP., 2SD1757K		
	Diodes/Protector				
	D1	48T52446F01	CP., MA151WK		
	D2	48T52445F01	CP., MA151WA		
	D102	48T52446F01	CP., MA151WK		
	D103	48T52446F01	CP., MA151WK		
	D201	48T68828F01	1SS133		
	D302	48T52446F01	CP., MA151WK		
	D303	48T68828F01	1SS133		
	D304	48T68828F01	1SS133		
	D501	48T52446F01	CP., MA151WK		
	D507	48T68828F01	1SS133		
	D601	48T64134F01	CP., DA204K		
	D602	48T68828F01	1SS133		
	D603	48T68828F01	1SS133		
	D801	48T68828F01	1SS133		
	D803	48T52446F01	CP., MA151WK		
	D804	48C40235G02	10E2		
	D805	48C40235G02	10E2		
	ZD101	48T68702F30	Zener, RD6.2ESB2		
	ZD102	48T68702F25	Zener, RD5.1ESB3		
	ZD502	48T68702F25	Zener, RD5.1ESB3		
	ZD503	48T68702F25	Zener, RD5.1ESB3		
	ZD504	48T68702F25	Zener, RD5.1ESB3		
	ZD505	48T68702F25	Zener, RD5.1ESB3		
	ZD601	48T83128F25	Zener, HZS9CIL		
■	ZD602	48T68702F26	Zener, RD5.6ESB1		
	ZD801	48T68702F28	Zener, RD5.6ESB3		
	ZD802	48T83128F26	Zener, HZS9C2L		
	ZD803	48T83128F25	Zener, HZS9CIL		
	ZD804	48T68702F30	Zener, RD6.2ESB2		
	ZD805	48T68697F04	Zener, HZS3.0EB2		

NOTE : IC502 : Not available for service call factory.
Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.

Symbol No.	Part No.	Description		
ZD806	48T68697F48	Zener, HZS13EB1		
ZD807	48T40150U28	Zener, HZ6A-1		
DSP1	48T81909F01	Surge Protector, DSP-201M		
Coils				
L1	24T60149F03	22mH		
L2	24T60149F03	22mH		
● L3	24T74294F17	Inductor, 4.7 μ H		
▲ L3	24T74294F17	Inductor, 4.7 μ H		
■ L3	24T50508F18	Inductor, 4.7 μ H		
L4	24T50508F10	Inductor, 1 μ H		
● L5	24T50508F22	Inductor, 10 μ H		
▲ L5	24T50508F22	Inductor, 10 μ H		
L6	24T70381F09	Inductor, 1 μ H		
● L7	24T74294F23	Inductor, 15 μ H		
▲ L7	24T74294F23	Inductor, 15 μ H		
L301	24T72381F01	20 μ H		
Switch				
S301	40T68063F01	SSJ-322A (PRE-IN)		
Crystals				
X501	48T84203F01	4.19MHz		
X601	48T82502F01	4.5MHz		
Capacitors				
C1	08S53332F42	CP., 3900pF		
C2	08S53332F42	CP., 3900pF		
C3	08S53332F39	CP., 2200pF		
C4	08S53332F39	CP., 2200pF		
C5	08S53332F41	CP., 3300pF		
C6	08S53332F41	CP., 3300pF		
C7	08S53332F18	CP., 39pF		
C8	08S53332F27	CP., 220pF		
C216	23S61523F17	ELY., 4.7 μ F/25V		
C217	23S61523F17	ELY., 4.7 μ F/25V		
C218	23S61523F12	ELY., 10 μ F/16V		
C301	23T43247F09	ELY., 10 μ F/16V		
C303	23S61523F12	ELY., 10 μ F/16V		
C304	08T90316F29	TF., 0.1 μ F		
C305	08T90316F29	TF., 0.1 μ F		

Symbol No.	Part No.	Description		
C306	23S57422F08	ELY., 4.7 μ F/25V		
C307	23S57422F08	ELY., 4.7 μ F/25V		
C308	23S57422F11	ELY., 22 μ F/16V		
C309	23S57422F11	ELY., 22 μ F/16V		
C310	23S57422F11	ELY., 22 μ F/16V		
C311	23T73861F09	ELY., 100 μ F/16V		
C312	23S61523F12	ELY., 10 μ F/16V		
C313	23S61523F17	ELY., 4.7 μ F/25V		
C314	23S61523F17	ELY., 4.7 μ F/25V		
C315	23S57422F08	ELY., 4.7 μ F/25V		
C316	23S57422F08	ELY., 4.7 μ F/25V		
C317	23S61523F17	ELY., 4.7 μ F/25V		
C318	23S61523F17	ELY., 4.7 μ F/25V		
C353	23S61523F12	ELY., 10 μ F/16V		
C354	23T43247F09	ELY., 10 μ F/16V		
C355	23T43247F09	ELY., 10 μ F/16V		
C504	23S61523F30	ELY., 2.2 μ F/50V		
C505	08T61939F10	CER., 9pF		
C506	08T65480F21	CER., 22pF		
C508	23T43247F09	ELY., 10 μ F/16V		
C601	23S57422F05	ELY., 1 μ F/50V		
C602	23T41366F41	ELY., 2.2 μ F/50V (B.P)		
C603	08S53332F47	CP., 0.01 μ F		
■ C604	08S60102F29	CP., 0.056 μ F		
C605	08S53332F47	CP., 0.01 μ F		
■ C606	23S57422F03	ELY., 0.33 μ F/50V		
C607	23S61523F34	ELY., 100 μ F/10V		
C608	08S53332F51	CP., 0.022 μ F		
C609	08S53332F47	CP., 0.01 μ F		
C610	08S53332F47	CP., 0.01 μ F		
C611	08S53332F47	CP., 0.01 μ F		
C612	08S53332F35	CP., 1000pF		
C613	08S53332F35	CP., 1000pF		
C614	08S53332F15	CP., 22pF		
C615	08S53332F15	CP., 22pF		
C616	23S61523F12	ELY., 10 μ F/16V		
C617	08S53332F51	CP., 0.022 μ F		
● C619	08T90316F25	TF., 0.047 μ F		
■ C619	08T90316F29	TF., 0.1 μ F		
▲ C619	08T90316F25	TF., 0.047 μ F		
C621	23S61523F12	ELY., 10 μ F/16V		
■ C622	23T41366F41	ELY., 2.2 μ F/50V (B.P.)		
■ C623	08S53332F53	CP., 0.033 μ F		
C624	23S61523F12	ELY., 10 μ F/16V		
C625	23S61523F12	ELY., 10 μ F/16V		
C626	23S61523F12	ELY., 10 μ F/16V		
● C627	08S53332F54	CP., 0.039 μ F		
■ C627	08S53332F53	CP., 0.033 μ F		
▲ C627	08S53332F54	CP., 0.039 μ F		
C801	23T43247F09	ELY., 10 μ F/16V		

Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.

	Symbol No.	Part No.	Description		
	C802	23S61523F11	ELY., 47 µ F/10V		
	C803	23S61523F12	ELY., 10 µ F/16V		
	C805	23S61523F12	ELY., 10 µ F/16V		
●	C806	23S61523F12	ELY., 10 µ F/16V		
■	C806	23S61523F13	ELY., 22 µ F/16V		
▲	C806	23S61523F12	ELY., 10 µ F/16V		
●	C807	23S61523F12	ELY., 10 µ F/16V		
▲	C807	23S61523F12	ELY., 10 µ F/16V		
	C809	08S53332F47	CP., 0.01 µ F		
	C810	08S53332F47	CP., 0.01 µ F		
	C811	23S57422F14	ELY., 47 µ F/6.3V		
	C830	08S53332F47	CP., 0.01 µ F		
■	C831	21C45322G31	CER., 0.01 µ F		
	C902	08S61528F65	CP., 4700pF		
	C903	23S61523F29	ELY., 1 µ F/50V		
	C912	23S57422F11	ELY., 22 µ F/16V		
Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)					
	R1	06S53330F65	3.3K ohm		
	R2	06S53330F65	3.3K ohm		
●	R3	06S53330F72	6.2K ohm		
■	R3	06S53330F77	10K ohm		
▲	R3	06S53330F72	6.2K ohm		
●	R4	06S53330F72	6.2K ohm		
■	R4	06S53330F77	10K ohm		
▲	R4	06S53330F72	6.2K ohm		
	R121	06S53330F93	47K ohm		
	R122	06T70072F49	680 ohm 1/4W		
	R123	06S53330F61	2.2K ohm		
	R206	06S53330F53	1K ohm		
	R207	06S53330F53	1K ohm		
	R208	06S53330F71	5.6K ohm		
	R209	06S53330F85	22K ohm		
	R227	06S53330F85	22K ohm		
	R228	06S53330F85	22K ohm		
	R302	06S64995F23	56 ohm 1/16W		
	R304	06S64995F59	1.8K ohm 1/16W		
	R305	06S64995F59	1.8K ohm 1/16W		
	R306	06S53330F53	1K ohm		
	R307	06S53330F53	1K ohm		
	R308	06S53330F93	47K ohm		
	R309	06S53330F93	47K ohm		
	R310	06S53330F72	6.2K ohm		
	R311	06S53330F72	6.2K ohm		
	R312	06S53330F85	22K ohm		
	R313	06S53330F85	22K ohm		
	R314	06S53330F29	100 ohm		
	R315	06S53330F29	100 ohm		
	R316	06S53330F29	100 ohm		
	R317	06S53330F29	100 ohm		
	R318	06S53330F53	1K ohm		
	R319	06S53330F53	1K ohm		
	R320	06S53330F77	10K ohm		
	R321	06S53330F77	10K ohm		
	R322	06S53330F93	47K ohm		
	R323	06S53330F93	47K ohm		
	R324	06S53330F29	100 ohm		
	R325	06S53330F29	100 ohm		
	R326	06S53330F69	4.7K ohm		
	R327	06S53330F69	4.7K ohm		
	R328	06S53330F69	4.7K ohm		
	R329	06S53330F69	4.7K ohm		
	R330	06S53330F49	680 ohm		
	R331	06S53330F49	680 ohm		
	R332	06S53330F31	120 ohm		
	R333	06S53330F31	120 ohm		
	R334	06S53330F37	220 ohm		
	R335	06S53330F77	10K ohm		
	R336	06S53330F77	10K ohm		
	R337	06S64995F77	10K ohm 1/16W		
	R338	06S53330F77	10K ohm		
	R339	06S53330F70	5.1K ohm		
	R340	06S53330F70	5.1K ohm		
	R341	06S53330F70	5.1K ohm		
	R342	06S53330F70	5.1K ohm		
	R343	06S64995F70	5.1K ohm 1/16W		
	R344	06S64995F70	5.1K ohm 1/16W		
	R375	06S53330F71	5.6K ohm		
	R376	06S53330F85	22K ohm		
	R508	06S64995F93	47K ohm 1/16W		
	R510	06S53330F37	220 ohm		
	R511	06S53330F69	4.7K ohm		
	R512	06S53330F69	4.7K ohm		
	R513	06S53330F69	4.7K ohm		
	R514	06S53330F69	4.7K ohm		
	R515	06S53330F53	1K ohm		
	R516	06C44652G43	MF., 82 ohm 1W		
	R517	06S53330F93	47K ohm		
	R520	06S53330F93	47K ohm		
	R521	06S64995F77	10K ohm 1/16W		
	R523	06T73766F01	Block, 47K ohm×4		
	R524	06T84854F32	Block, 47K ohm×4		
	R525	06T84854F32	Block, 47K ohm×4		
	R527	06S53330F95	56k ohm		
	R601	06S53330F89	33K ohm		
	R603	06S53330F65	3.3K ohm		
	R604	06S53330F41	330 ohm		
	R605	06S53330F65	3.3K ohm		

Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.

	Symbol No.	Part No.	Description		
■	R606	06S53330F69	4.7K ohm		
	R607	06S53330F53	1K ohm		
■	R608	06S53330F53	1K ohm		
	R609	06S53330F75	8.2K ohm		
■	R610	06S53330F75	8.2K ohm		
	R611	06S53330F69	4.7K ohm		
■	R612	06S53330F61	2.2K ohm		
	R613	06S53330F05	10 ohm		
■	R614	06S53330F05	10 ohm		
	R615	06S53330F53	1K ohm		
	R616	06S53331F26	1M ohm		
■	R617	06S53331F26	1M ohm		
■	R618	06S53330F69	4.7K ohm		
	R620	06S53330F93	47K ohm		
	R621	06S53330F77	10K ohm		
	R622	06S53330F77	10K ohm		
	R623	06S53330F93	47K ohm		
	R625	06S53330F65	3.3K ohm		
	R627	06S53330F85	22K ohm		
	R628	06S53330F85	22K ohm		
	R629	06S53330F77	10K ohm		
●	R632	06S53330F83	18K ohm		
■	R632	06S53330F61	2.2K ohm		
▲	R632	06S53330F83	18K ohm		
	R633	06S64996F02	100K ohm 1/16W		
	R634	06S53330F81	15K ohm		
	R635	06S53330F05	10 ohm		
	R637	06S53330F73	6.8K ohm		
	R638	06S53330F85	22K ohm		
	R639	06S53330F85	22K ohm		
	R641	06S53330F61	2.2K ohm		
	R642	06S53330F85	22K ohm		
	R644	06S64996F12	270K ohm 1/16W		
	R645	06S64996F02	270K ohm 1/16W		
	R801	06S53330F77	10K ohm		
	R802	06S53330F61	2.2K ohm		
	R803	06S53330F61	2.2K ohm		
	R804	06T70072F53	1K ohm 1/4W		
	R805	06S53330F61	2.2K ohm		
	R806	06S53330F69	4.7K ohm		
	R808	06S53330F57	1.5K ohm		
	R810	06S53330F69	4.7K ohm		
	R812	06S53330F93	47K ohm		
	R901	06S64995F49	680 ohm 1/16W		
	R902	06S53331F10	220K ohm		
	R903	06S64995F77	10K ohm 1/16W		
▲	R904	06T70072F27	82 ohm 1/4W		
●	R904	06T70072F23	56 ohm 1/4W		
■	R904	06T70072F23	56 ohm 1/4W		
	R920	06S64995F77	10K ohm 1/16W		

Symbol No.	Part No.	Description		
VR301 S302 S303	18T83131F01	Volume Control, 50KW×3, 20KB×2 (POWER) (PLAY/PROG/CLOCK)		
Pre-Amp P. C. Board				
IC				
IC101	51T64606F01	TA7705F		
Transistor				
Q101	48T62967F03	CP., DTC124K		
Diodes				
D101	48T68828F01	1SS133		
Capacitors				
C101	08T74631F07	PP., 180pF		
C102	08T74631F07	PP., 180pF		
C103	08T74631F07	PP., 180pF		
C104	08T74631F07	PP., 180pF		
C105	23T61512F04	ELY., 100 μ F/6.3V		
C106	23T61512F04	ELY., 100 μ F/6.3V		
C107	23S57007F09	ELY., 10 μ F/16V		
C108	08T52448F38	PP., 0.011 μ F		
C109	08T52448F38	PP., 0.011 μ F		
C110	23S61524F18	ELY., 4.7 μ F/25V		
C111	23T00134L32	ELY., 100 μ F/16V		
C112	08S53332F51	CP., 0.022 μ F		
C113	08S53332F29	CP., 330pF		
C114	08S53332F57	CP., 0.1 μ F		
Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)				
R101	06S53331F02	100K ohm		
R102	06S53331F02	100K ohm		
R103	06S53331F02	100K ohm		
R104	06S53331F02	100K ohm		
R105	06S53330F37	220 ohm		
R106	06S53330F37	220 ohm		
R107	06S53331F14	330K ohm		
R108	06S53331F14	330K ohm		
R109	06S53330F79	12K ohm		
R110	06S53330F79	12K ohm		

Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.

Symbol No.	Part No.	Description		
R111	06S53330F80	13K ohm		
R112	06S53330F80	13K ohm		
R113	06S53330F85	22K ohm		
R114	06S53330F81	15K ohm		
R115	06S53330F81	15K ohm		
R116	06S53330F29	100 ohm		
R117	06S53330F89	33K ohm		
R118	06S53330F85	22K ohm		
R119	06S53330F85	22K ohm		
Dolby P. C. Board				
IC				
IC201	51T82309F01	HA12086NT		
Transistors				
Q201	48T52438F01	CP., 2SD601A		
Q202	48T62967F09	CP., DTC114TK		
Diode				
ZD201	48T68702F43	Zener, RD9.1ESB3		
Capacitors				
C201	23S61523F34	ELY., 100 μ F/10V		
C202	23T82482F01	ELY., 220 μ F/6.3V		
C203	23S61523F28	ELY., 0.47 μ F/50V		
C204	23S61523F28	ELY., 0.47 μ F/50V		
C205	23S61523F12	ELY., 10 μ F/16V		
C206	23S61523F12	ELY., 10 μ F/16V		
C207	08T90316F17	PF., 0.01 μ F		
C208	08T90316F17	PF., 0.01 μ F		
C209	08T90316F19	TF., 0.015 μ F		
C210	08T90316F19	TF., 0.015 μ F		
C211	23S61523F35	ELY., 0.68 μ F/50V		
C212	23S61523F35	ELY., 0.68 μ F/50V		
C213	23S61523F30	ELY., 2.2 μ F/50V		
C214	23S61523F30	ELY., 2.2 μ F/50V		
C215	23S61523F13	ELY., 22 μ F/16V		
Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)				
R201	06S53330F53	1K ohm		
R202	06S53330F85	22K ohm		
R203	06S53330F85	22K ohm		
VR201	18T60065F13	Variable, 10K ohm		
VR202	18T60065F13	Variable, 10K ohm		

Symbol No.	Part No.	Description		
Tone P. C. Board				
IC				
IC202	51T73718F01	NJM4560M		
Switch				
S201	40T68063F01	SSJ-322A (TONE, Bypass)		
Lamp				
PL201	65B43447J01	Pilot, 6V-65mA		
Capacitors				
C219	08T52448F03	PP., 390pF		
C220	08T52448F03	PP., 390pF		
C221	08T57705F21	MYL., 0.022 μ F		
C222	08T57705F21	MYL., 0.022 μ F		
C223	08T52448F01	PP., 330pF		
C224	08T52448F01	PP., 330pF		
C225	08T90316F31	TF., 0.15 μ F		
C226	08T90316F31	TF., 0.15 μ F		
C227	23S61523F13	ELY., 22 μ F/16V		
C228	23S61523F13	ELY., 22 μ F/16V		
C229	08S53332F15	PP., 22pF		
C230	08S65128F19	PP., 22pF		
C231	23S61523F29	ELY., 1 μ F/50V		
C232	23S61523F29	ELY., 1 μ F/50V		
C233	23T62939F02	ELY., 0.047 μ F/5.5V		
Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)				
R210	06S53330F71	5.6K ohm		
R211	06S53330F83	18K ohm		
R212	06S53330F71	5.6K ohm		
R213	06S53330F83	18K ohm		
R214	06S64995F71	5.6K ohm 1/16W		
R215	06S53330F83	18K ohm		
R216	06S53330F71	5.6K ohm		
R217	06S53330F83	18K ohm		
R218	06S53330F91	39K ohm		
R219	06S53330F91	39K ohm		
R220	06S53331F26	1M ohm		
R221	06S64996F26	1M ohm 1/16W		
R222	06S53330F93	47K ohm		
R223	06S53330F93	47K ohm		
R224	06S53330F29	100 ohm		

Symbol No.	Part No.	Description		
R225	06T70072F26	75 ohm 1/4W		
R226	06T70072F26	75 ohm 1/4W		
Power P. C. Board				
IC's				
IC303	51T82314F01	AN7171K		
IC304	51T82314F01	AN7171K		
Transistors				
Q306	48T62967F03	CP., DTC124K		
Q307	48T62967F03	CP., DTC124K		
Q808	48T55875F01	2SD1265		
Diode				
D301	48T68580F03	DSA3A4		
Capacitors				
C319	23T61512F13	ELY., 4.7 μ F/25V		
C320	23T61512F13	ELY., 4.7 μ F/25V		
C321	23T61512F13	ELY., 4.7 μ F/25V		
C322	23T61512F13	ELY., 4.7 μ F/25V		
C323	08S53332F37	CP., 1500pF		
C324	08S53332F37	CP., 1500pF		
C325	08S53332F37	CP., 1500pF		
C326	08S53332F37	CP., 1500pF		
C327	23T61513F10	ELY., 100 μ F/10V		
C328	23T61513F10	ELY., 100 μ F/10V		
C329	23T61513F10	ELY., 100 μ F/10V		
C330	23T61513F10	ELY., 100 μ F/10V		
C331	08S53332F51	CP., 0.022 μ F		
C332	08S53332F51	CP., 0.022 μ F		
C333	08S53332F51	CP., 0.022 μ F		
C334	08S53332F51	CP., 0.022 μ F		
C335	23C42170G31	ELY., 2200 μ F/16V		
C336	23C42170G31	ELY., 2200 μ F/16V		
C337	08S53332F57	CP., 0.1 μ F		
C338	08S53332F57	CP., 0.1 μ F		
C339	23T73862F09	ELY., 100 μ F/16V		
C340	23T73862F09	ELY., 100 μ F/16V		
C341	23T61512F25	ELY., 1 μ F/50V		
C342	23T61512F25	ELY., 1 μ F/50V		
C343	08T90316F35	TF., 0.33 μ F		
C344	08T90316F35	TF., 0.33 μ F		
C345	08T90316F35	TF., 0.33 μ F		
C346	08T90316F35	TF., 0.33 μ F		
C347	08T90316F35	TF., 0.33 μ F		
C348	08T90316F35	TF., 0.33 μ F		

Symbol No.	Part No.	Description		
C349	08T90316F35	TF., 0.33 μ F		
C350	08T90316F35	TF., 0.33 μ F		
C356	08T61939F57	CER., 1000pF		
C357	08T61939F57	CER., 1000pF		
Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)				
R345	06S53330F33	150 ohm		
R346	06S53330F33	150 ohm		
R347	06S53330F33	150 ohm		
R348	06S53330F33	150 ohm		
R349	06S53330F33	150 ohm		
R350	06S53330F33	150 ohm		
R351	06S53330F33	150 ohm		
R352	06S53330F33	150 ohm		
R353	06S53330F37	220 ohm		
R354	06S53330F37	220 ohm		
R355	06S53330F37	220 ohm		
R356	06S53330F37	220 ohm		
R358	06S53330F81	15K ohm		
R360	06S53330F81	15K ohm		
R361	06S53331F40	2.2 ohm		
R362	06S53331F40	2.2 ohm		
R363	06S53331F40	2.2 ohm		
R364	06S53331F40	2.2 ohm		
R365	06S53331F40	2.2 ohm		
R366	06S53331F40	2.2 ohm		
R367	06S53331F40	2.2 ohm		
R368	06S53331F40	2.2 ohm		
R369	06S53330F53	1K ohm		
R370	06S53330F53	1K ohm		
R371	06S53330F53	1K ohm		
R372	06S53330F53	1K ohm		
R377	06S53330F93	47K ohm		
Front P. C. Board				
IC's				
IC401	51T65476F02	μ PD6320GC		
IC402	51T65476F02	μ PD6320GC		
Diodes				
D401	48T52446F01	CP., MA151WK		
D402	48T52446F01	CP., MA151WK		
D403	48T52446F01	CP., MA151WK		
ZD401	48T68702F31	Zener RD6.2ESB3		

Symbol No.	Part No.	Description		
LED's				
● LD401	48T50886F02	AA3432S (ORG)		
■ LD401	48T50886F02	AA3432S (ORG)		
▲ LD401	48T50886F03	BG3432S (GRN)		
● LD402	48T50886F02	AA3432S (ORG)		
■ LD402	48T50886F02	AA3432S (ORG)		
▲ LD402	48T50886F03	BG3432S (GRN)		
● LD405	48T51833F03	BG4524K (GRN)		
■ LD405	48T51833F03	BG4524K (GRN)		
▲ LD405	48T51833F04	AA4524K (ORG)		
● LD406	48T51833F03	BG4524K (GRN)		
■ LD406	48T51833F03	BG4524K (GRN)		
▲ LD406	48T51833F04	AA4524K (ORG)		
● LD407	48T51833F03	BG4524K (GRN)		
■ LD407	48T51833F03	BG4524K (GRN)		
▲ LD407	48T51833F04	AA4524K (ORG)		
● LD408	48T51833F03	BG4524K (GRN)		
■ LD408	48T51833F03	BG4524K (GRN)		
▲ LD408	48T51833F04	AA4524K (ORG)		
● LD409	48T51833F03	BG4524K (GRN)		
■ LD409	48T51833F03	BG4524K (GRN)		
▲ LD409	48T51833F04	AA4524K (ORG)		
● LD410	48T51833F03	BG4524K (GRN)		
■ LD410	48T51833F03	BG4524K (GRN)		
▲ LD410	48T51833F04	AA4524K (ORG)		
● LD411	48T51833F03	BG4524K (GRN)		
■ LD411	48T51833F03	BG4524K (GRN)		
▲ LD411	48T51833F04	AA4524K (ORG)		
● LD412	48T51833F03	BG4524K (GRN)		
■ LD412	48T51833F03	BG4524K (GRN)		
▲ LD412	48T51833F04	AA4524K (ORG)		
● LD413	48T51833F03	BG4524K (GRN)		
■ LD413	48T51833F03	BG4524K (GRN)		
▲ LD413	48T51833F04	AA4524K (ORG)		
● LD414	48T51833F03	BG4524K (GRN)		
■ LD414	48T51833F03	BG4524K (GRN)		
▲ LD414	48T51833F04	AA4524K (ORG)		
● LD415	48T51833F03	BG4524K (GRN)		
■ LD415	48T51833F03	BG4524K (GRN)		
▲ LD415	48T51833F04	AA4524K (ORG)		
LD416	48T92014F01	EBR3402S (RED)		
● LD417	48T51833F03	BG4524K (GRN)		
■ LD417	48T51833F03	BG4524K (GRN)		
▲ LD417	48T51833F04	AA4524K (ORG)		

Symbol No.	Part No.	Description		
Switches				
S401	40T70366F01	Tact, KHL-10906 (EJECT)		
S402	40T70366F01	Tact, KHL-10906 (SEEK)		
S403	40T70366F01	Tact, KHL-10906 (UP, M, FF)		
S405	40T70366F01	Tact, KHL-10906 (DN, H, REW)		
S407	40T70366F01	Tact, KHL-10906 (ME)		
S408	40T70366F01	Tact, KHL-10906 (M5)		
S409	40T70366F01	Tact, KHL-10906 (M6)		
S410	40T70366F01	Tact, KHL-10906 (PAUSE)		
S411	40T70366F01	Tact, KHL-10906 (MI, MS)		
S412	40T70366F01	Tact, KHL-10906 (M2, B)		
S413	40T70366F01	Tact, KHL-10906 (M3)		
S414	40T70366F01	Tact, KHL-10906 (M4)		
S415	40T70366F01	Tact, KHL-10906 (LOUD)		
S416	40T70366F01	Tact, KHL-10906 (DX)		
S417	40T70366F01	Tact, KHL-10906 (ST)		
S418	40T70366F01	Tact, KHL-10906 (BAND)		
● S420	40T67523F07	Tact, KHQ 11908 (ORG) (DIMMER) (LD420 Included)		
▲ S420	40T67523F06	Tact, SKHQFG (GRN) (LD420 Included) (DIMMER)		
■ S420	40T67523F07	Tact, KHQ11908 (ORG) (DIMMER) (LD420 Included)		
Lamps				
● PL401	65T81294F02	Pilot, 6V-6.5mA		
■ PL401	65T81294F02	Pilot, 6V-6.5mA		
▲ PL401	65T81294F08	Pilot, 6V-65mA		
● PL402	65T81294F02	Pilot, 6V-6.5mA		
■ PL402	65T81294F02	Pilot, 6V-6.5mA		
▲ PL402	65T81294F08	Pilot, 6V-65mA		
● PL403	65T81294F02	Pilot, 6V-65mA		
■ PL403	65T81294F02	Pilot, 6V-6.5mA		
▲ PL403	65T81294F08	Pilot, 6V-65mA		

Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.

	Symbol No.	Part No.	Description		
	FL Tubes				
●	FL401	65T83393F01	VFD (FIP4TM8S-2BAND)		
■	FL401	65T83393F02	VFD (FIP4XM8S-3BAND)		
▲	FL401	65T83393F03	VFD FIP 4BEM8S		
	Resistors (All resistors are chip 1/4W±5% unless otherwise noted.)				
●	R401	06T70072F47	560 ohm		
■	R401	06T70072F47	560 ohm		
▲	R401	06T70072F57	1.5K ohm		
●	R403	06T70072F45	470 ohm		
■	R403	06T70072F45	470 ohm		
▲	R403	06T70072F49	680 ohm		
●	R404	06T70072F41	330 ohm		
■	R404	06T70072F41	330 ohm		
▲	R404	06T70072F47	560 ohm		
●	R405	06T70072F41	330 ohm		
■	R405	06T70072F41	330 ohm		
▲	R405	06T70072F47	560 ohm		
	R406	06S53330F13	22 ohm 1/8W		
●	R407	06T70072F17	33 ohm		
■	R407	06T70072F17	33 ohm		
▲	R407	06T70072F23	56 ohm		
	R408	06T70072F26	75 ohm		
	R409	06T70072F26	75 ohm		
●	R410	06T70072F45	470 ohm		
■	R410	06T70072F45	470 ohm		
▲	R410	06T70072F49	680 ohm		
	R411	06S53330F29	100 ohm 1/8W		
	R412	06T70072F49	680 ohm		
	R413	06S53330F69	4.7K ohm 1/8W		
	R414	06S53330F93	47K ohm 1/8W		
● ●	VR203 VR204	18T82527F01	Volume, Slide 100K ohm×2 (GRN) (LD403 and 404 Included)		
▲ ▲	VR203 VR204	18T82527F02	Volume, Slide 100K ohm (ORG) (LD403 and 404 Included)		
■ ■	VR203 VR204	18T82527F01	Volume, Slide 100k ohm (ORG) (LD403 and 404 Included)		

	Symbol No.	Part No.	Description		
	ETC P. C. Board				
	Transistors				
	Q502	48T52438F01	CP., 2SD601A		
	Q503	48T73888F05	CP., FMA1		
	Q504	48T62967F02	CP., DTC114K		
	Q916	48T52438F01	CP., 2SD601A		
	Diodes				
	D506	48T52446F01	CP., MA151WK		
	D806	48C40235G02	10E2		
	ZD501	48T68702F23	Zener, RD5.1ESB1		
	Capacitors				
	C501	23S61523F17	ELY., 4.7 μ F/25V		
	C502	23S61523F12	ELY., 10 μ F/16V		
	C503	23T82372F11	ELY., 4.7 μ F/25V (B.P.)		
	C808	23T51232F02	ELY., 1000 μ F/16V		
	C910	23S61523F12	ELY., 10 μ F/16V		
	Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)				
■	R380	06S53330F77	10k ohm		
	R503	06S64995F65	3.3K ohm 1/16W		
	R504	06S64996F26	1M ohm 1/16W		
	R505	06S53330F77	10K ohm		
	R506	06S64995F85	22K ohm 1/16W		
	R519	06S64995F37	220 ohm 1/16W		
	R919	06S64995F53	1k ohm		
	GZ Control P. C. Board				
	IC's				
	IC1501	51T71799F01	71799F01		
	IC1502	51T71802F01	71802F01		
	Transistors				
	Q1501	48T52547F02	2SB793A		
	Q1502	48T62967F03	CP., DTC124K		

Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.

Symbol No.	Part No.	Description		
Diodes				
D1501	48T52445F01	CP., MA151WA		
D1502	48T52446F01	CP., MA151WK		
ZD1501	48T68697F54	Zener, HZS16EB1		
ZD1502	48T62934F29	CP., Zener, RD6.8MB3		
Capacitors				
C1501	23T82482F02	ELY., 100 μF/16V		
C1502	23S61523F12	ELY., 10 μF/16V		
C1503	08T50579F09	TF., 0.047 μF		
C1504	23S61523F15	ELY., 47 μF/16V		
C1505	08S53332F53	CP., 0.033 μF		
C1506	08S53332F47	CP., 0.01 μF		
C1507	08S53332F57	CP., 0.1 μF		
C1508	08S53332F35	CP., 1000pF		
Resistors (All resistors are chip 1/8W±5% unless otherwise noted.)				
R1501	06S81094F09	MF., 4.7 ohm 1/2W		
R1502	06S81094F65	MF., 1K ohm 1/2W		
R1503	06S53330F77	10K ohm		
R1504	06S81094F05	MF., 3.3 ohm 1/2W		
R1506	06S53330F77	10K ohm		
R1508	06S64995F94	51K ohm 1/16W		
R1509	06S53330F85	22K ohm		
R1510	06S53330F71	5.6K ohm		
R1511	06S53330F29	100 ohm		
R1512	06S53331F12	270K ohm		
R1513	06S53331F31	2.7M ohm		
Reverse P. C. Board				
Photo				
PT1501	51T63433F01	Sensor, Photo		
PT1502	51T63422F01	Sensor, Photo		
Miscellaneous				
E601	09T60990F07	Antenna Receptacle		
E901	01T15018W01	Assy., RCA (INPUT)		
E902	01T15018W03	Assy., RCA (OUTPUT)		
E903	01T83411F01	Speaker Output Connector (9P)		
E904	01T83396F01	Power Supply Connector (with 3A Fuse)		

Symbol No.	Part No.	Description		
HD101	88T73824F01	Head		
M1501	01V71800F20	Assy., Main Motor		
M1502	01V83500F82	Assy., RF Motor		
S1501	40T52216F01	Switch, Micro (Pack Down)		
S1502	40T60329F02	Switch, Leaf (Eject)		
S1504	40T63432F01	Switch, Slide (For /Rev.)		
S1505	40T71025F03	Switch, Detector (Metal Position)		
S1506	40T71025F03	Switch, Detector (Metal Position)		
SD1501	01A63213F01	Assy., Program Solenoid		
SD1502	01A63215F01	Assy., Eject Solenoid		
SD1503	01A63212F01	Assy., Play Solenoid		
SD1504	01A63214F01	Assy., RF Solenoid		
ZD103	48T40150U58	Zener, HZ11C-1		

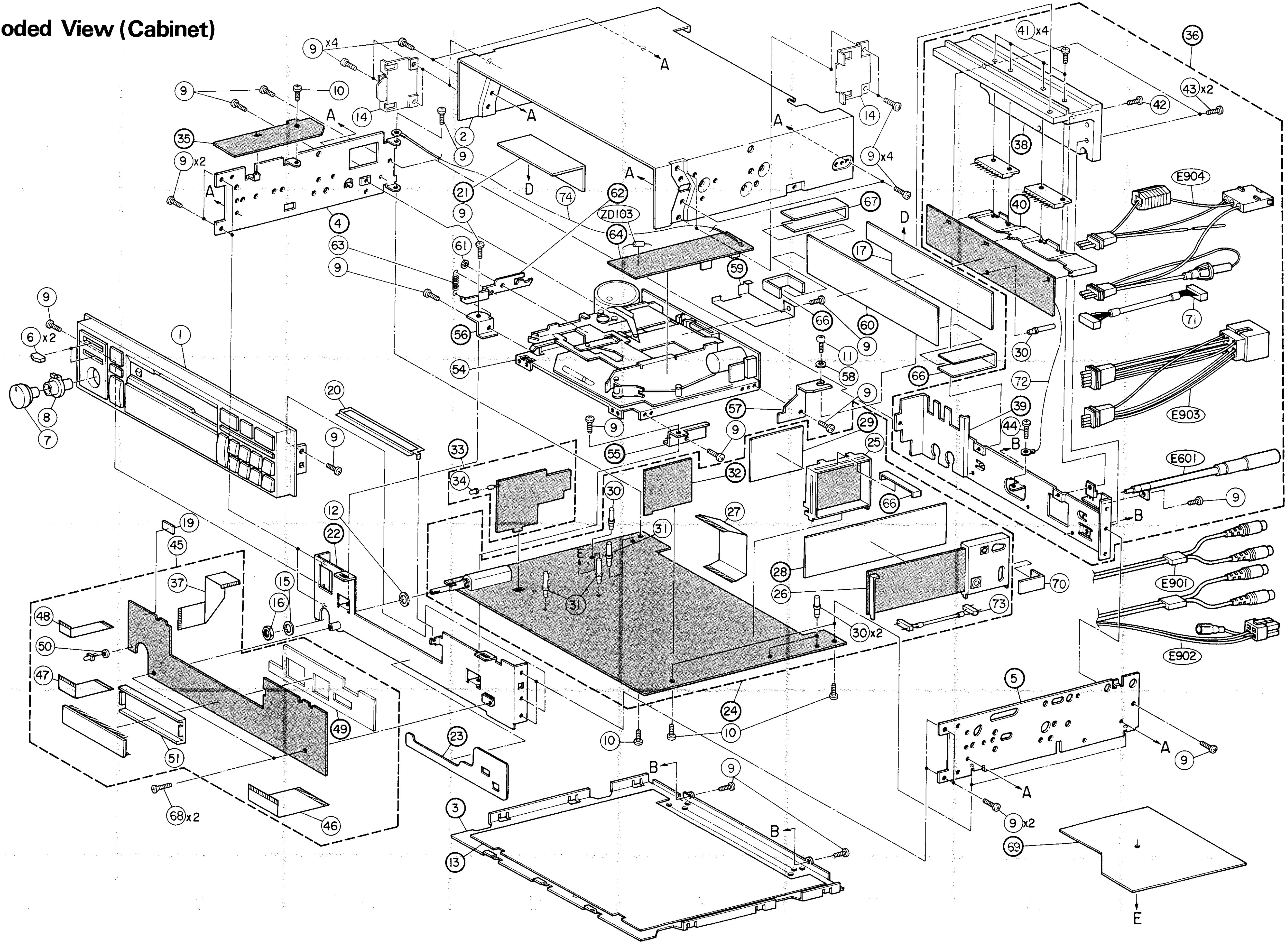
Cabinet Assembly Parts List

NOTE : The parts without part numbers are not supplied.

Symbol	No.	Index	Part No.	Description		
●	1	2-B	13D83332F04	Assy., Nosepiece		
■	1	2-B	13D83332F03	Assy., Nosepiece		
▲	1	2-B	13D83332F07	Assy., Nosepiece		
	2	1-D	15C84441F01	Cover, Top		
	6	2-A	36B82169F01	Knob, Slide (A)		
	7	3-A	36B82170F01	Knob, Control (Front)		
	8	3-A	36A82171F01	Knob, Control (Back)		
	9		03S44205G07	Screw, Pan (M2.6 x 5)		
	10		03S44205G48	Screw, Pan (M2.6 x 5)		
	11	2-F	03S71677F13	Screw, Pan (M2.6 x 6)		
	12	3-C	04A43020G05	Washer Flat (M9.2)		
	14	1-C	07A80815F01	Assy., Stopper Bracket		
	15	4-B	04S40070G10	Washer, Flat (M9.75)		
	16	4-B	02S40000G20	Nut, Hex (M9)		
	19	3-B	75S62361F20	Cushion, Rubber		
	20	3-C	15B90702F01	Cover, Shield		
●	25	3-F	77T74165F01	Tuner, AM 450 (FE101)		
■	25	3-F	77T68552F01	Tuner, AM (FE101)		
▲	25	3-F	77T74165F01	Tuner, AM450 (FE101)		
●	26	4-E	77C94505F01	Tuner FM (MB1G402A) (FE1)		
■	26	4-E	77C94506F01	Tuner FM (MB1L4020) (FE1)		
▲	26	4-E	77C94505F01	Tuner FM (MB1G402A) (FE1)		
	27	3-E	30T83397F01	Wire, Parallel (18P)		
	30		09T84840F01	Lug, Style (18mm)		
	31		09T84840F02	Lug, Style (32mm)		
●	34	3-D	43A65291F08	Bush, Lamp		
■	34	3-D	43A65291F08	Bush, Lamp		
▲	34	3-D	43A65291F19	Bush, Lamp		
	37	4-B	30T82417F01	Flat, Cable (12P)		
	41	1-G	03D40014G64	Screw, W/Washer (M2.6 x 20)		
	42	1-H	03S82672F26	Screw, Bind (M2.6 x 14)		
	43	1-H	03S82672F12	Screw, Bind (M2.6 x 12)		
	44	3-G	03S71677F06	Screw, Pan (M2.6×6)		
●	45	4-B	01V91800F06	Assy., Front		
■	45	4-B	01V91200F39	Assy., Front		
▲	45	4-B	01V91800F07	Assy., Front		
	46	5-C	30T82524F05	Wire, Parallel (11P)		
	47	4-A	30T82524F06	Wire, Parallel (9P)		
	48	4-A	30T82524F07	Wire, Parallel (5P)		
	50	4-A	43A84442F02	Spacer, Lamp		
	51	5-B	15B90703F01	Cover, VFD		
	54	3-D	01V83200F59	Deck, Cassette (GZ75E230)		
	58	3-F	43A68965F02	Spacer, Deck (Blk)		
	61	2-D	04A41345P04	Washer (M2.6)		
	63	2-C	41A84062F01	Spring, Lever		
	68		03S44205G13	Screw, Countersink (M2.6×6)		
	70	4-G	14S81481F52	Insulator, Cover		
	71	2-H	01T83395F01	Assy., Shield (5P)		
	72	3-G	01T83805F01	Assy., Wire GND		
	73	4-G	01S81001F48	Connector, Shield (2P)		
	74	2-D	01T15017W01	Assy., Wire GND		

Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.

Exploded View (Cabinet)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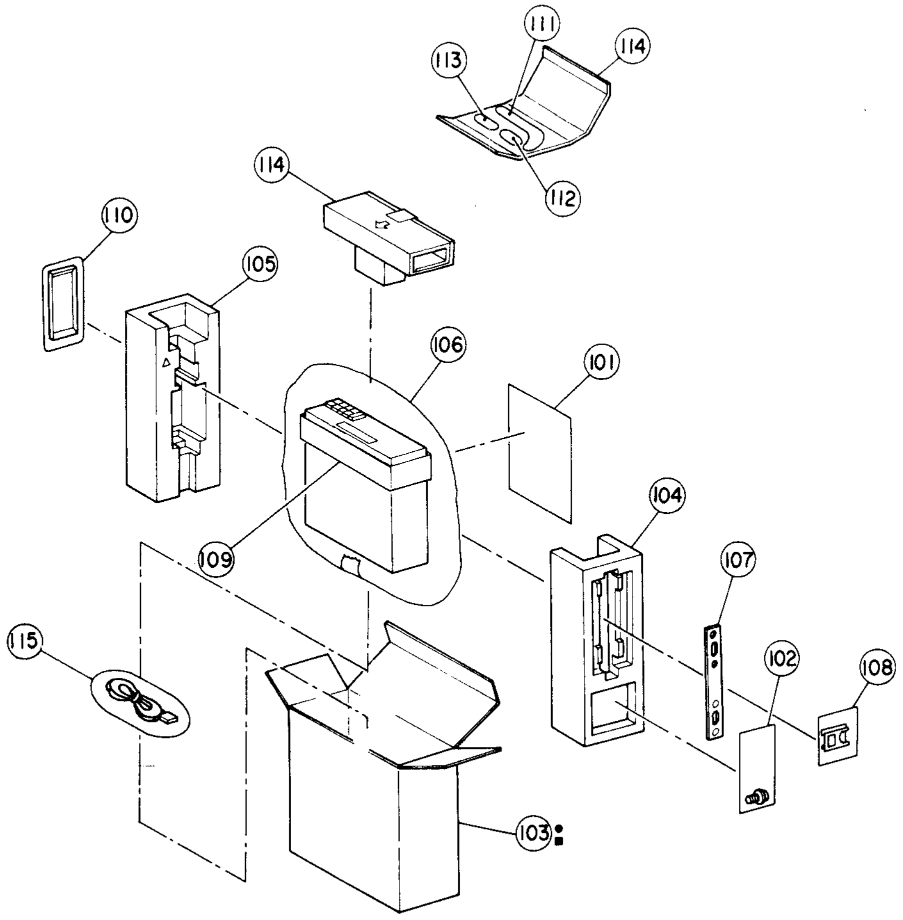
Packing Method View



Packing Assembly Parts List

Symbol No.	Part No.	Description		
● 101-1	68P83710F16	Owner's, Manual		
▲ 101-1	68P83710F16	Owner's, Manual		
■ 101-1	68P83710F17	Owner's, Manual		
● 101-2	68P83710F34	Anti Theft, Manual		
■ 101-2	68P83710F35	Anti Theft, Manual		
▲ 101-2	68P83710F34	Anti Theft, Manual		
102	01V11900W54	Assy., Kit Installation		
102-1	03B44963F01	Bolt, Hex W/Washer (M4×8)		
102-2	03S63857F05	Screw, Tapping (M5×15)		
102-3	03B44963F02	Bolt, Hex W/Washer (M5×20)		
102-4	02B47353F01	Nut, Hex (M5)		
102-5	03S52360F37	Screw, Countersunk (M4×8)		
102-6	46A42363F01	Stud, Bolt		
102-7	45A41684U01	Arm, Adapter		
● 103	56S90024F12	Carton, Packing (Individual)		
■ 103	56S90024F11	Carton, Packing (Individual)		
▲ 103	56S90024F30	Carton, Packing (Individual)		
104	56D83334F01	Tray, Packing (L)		
105	56D83334F02	Tray, Packing (R)		
● 106	56B40230G07	Sack, POLY		
■ 106	56B40990T36	Sack, POLY		
▲ 106	56B40230G07	Sack, POLY		
107	07B64552F01	Bracket, Strap Receiver		
108	01V81300F84	Assy., Bracket Kit		
108-1	07A80820F01	Bracket, Hand		
109	15C80814F01	Case, Inner		
110	33B81462F01	Face, Plate		
111	01T73399F01	Assy., Wire Kit (with 3A Fuse for ACC Line and 10A Fuse for Battery Line)		
112	01T74285F03	Assy., Wire Kit		
113	48T71964F01	LED, Remote		
114	56A90969F01	Pad, Packing (Inner)		
115	01T96094F01	Assy., RCA600		

Notes : ● : For 7286E code02 model only, ■ : For 7286L code02 model only,
▲ : For 7287E code02 model only, Others : Common.